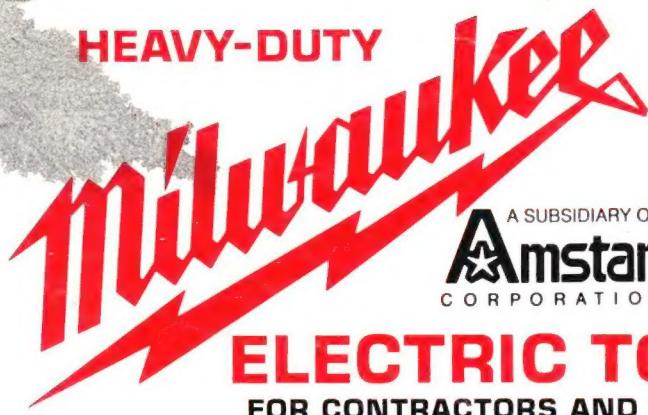


HEAVY-DUTY



A SUBSIDIARY OF  
**Amstar**  
CORPORATION

CATALOG  
480

SOLD BY

**ELECTRIC TOOLS**  
FOR CONTRACTORS AND INDUSTRY



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## NOTE

FOR YOUR CONVENIENCE, A QUICK REFERENCE LIST OF MILWAUKEE REPLACEMENT PARTS IS AVAILABLE FOR ALL TOOLS SHOWN IN THIS CATALOG. See your local MILWAUKEE DISTRIBUTOR or MILWAUKEE SERVICE CENTER.

# HEAVY-DUTY TOOLS

FEATURE HIGHEST QUALITY  
MATERIALS AND WORKMANSHIP

**AUTHORIZED SALES:** MILWAUKEE Electric Tools are sold only through Authorized Distributors with experienced personnel to assist you in selecting the proper tools for your specific requirements. You derive a real advantage in buying from your MILWAUKEE Distributor. He not only maintains well balanced inventories of tools for immediate shipment, but places at your disposal the services of his trained and experienced personnel to advise you on special product applications.



**TESTED—LISTED:**

MILWAUKEE Heavy-Duty Tools bearing the monograms of Underwriters' Laboratories, Inc. or Canadian Standards Association are listed by their testing laboratories as having complied with their standards for safety. Continued compliance is assured by independent inspections by both agencies.

**LIMITED WARRANTY:** Every MILWAUKEE Tool is thoroughly inspected and tested before leaving the factory. Should any trouble develop, return the complete tool prepaid to the Factory, Branch or nearest Authorized MILWAUKEE Service Station. If inspection shows that the trouble is caused by defective workmanship or material, all repairs will be made without charge and the tool will be returned, transportation prepaid.

This warranty does not apply where: (1) repairs or attempted repairs have been made by persons other than Factory, Branch or Authorized Service Station personnel; (2) repairs are required because of normal wear; (3) the tool has been abused or involved in an accident; (4) misuse is evident such as caused by overloading the tool beyond its rated capacity; (5) use of tool after partial failure or (6) use of tool with improper accessory. No other warranty written or verbal, is authorized.

**GENERAL INFORMATION:** The Milwaukee Electric Tool Corporation reserves the right to make any changes in or improvements on its products without incurring any liability or obligation whatever and without being required to make any corresponding changes or improvements in products previously manufactured or sold.

**MILWAUKEE MOTORS:** All Milwaukee motors are universal type which will run equally well on DC or AC (25 to 60 Hz) except those used on Bench Grinders, Water Pumps and Vacuum Pumps. Tools with switches or controls requiring AC operation are indicated as "AC" or "AC Only."

**INSTRUCTIONS:** An instruction booklet is furnished with each MILWAUKEE Electric Tool. Please read it carefully for best care and performance. **IMPORTANT** — Pay particular attention to all safety precautionary measures before operating any power tool.

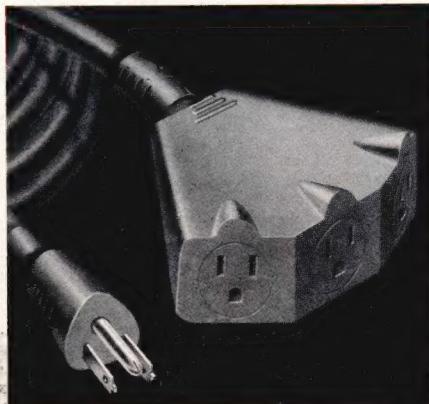
## EXTENSION CORDS

When an extension cord is used, it should always be a 3 wire cord to permit proper grounding of the tool. As the distance from the supply outlet increases, heavier gauge extensions are required. The use of extension cords of inadequate size wire causes a serious drop in voltage, loss of power and possible motor damage.

**TRIPLE TAP EXTENSION CORDS:** Extra Heavy-Duty. Three Wire, Grounded.

**Milwaukee**

CATALOG NUMBER	LENGTH	GAUGE
48-76-0170	50'	12
48-76-0180	100'	12
48-76-0190	2'	12



# MILWAUKEE ELECTRI



## FACTORY AND HOME OFFICE

13135 W. LISBON RD.  
BROOKFIELD, WI 53005  
PHONE: AREA CODE (414) 781-3600  
TWX NO. 910-262-3043

## MILWAUKEE SERVICE CENTERS

**Our nation-wide network of MILWAUKEE SERVICE CENTERS and AUTHORIZED SERVICE STATIONS has been established to assure you prompt, efficient service. They are staffed with factory trained personnel and an adequate inventory of MILWAUKEE replacement parts. Should the need arise, they are your source for MILWAUKEE service or warranty repair.**

### ANAHEIM

1130 North Magnolia Street  
Anaheim, California 92801  
Phone 714 827-3970  
213 624-7615  
213 860-0349

### ATLANTA

2381 John Glenn Drive  
Chamblee, Georgia 30341  
Phone 404 455-7300

### BOSTON

143 California Street  
Newton, Massachusetts 02158  
Phone 617 244-4483

### CHICAGO

5629 Howard Street  
Niles, Illinois 60648  
Chicago 312 539-9173  
Niles 312 647-8407

### CLEVELAND

7600 Wall Street  
Cleveland, Ohio 44125  
Phone 216 524-8040

### DALLAS

7205 Envoy Court  
Dallas, Texas 75247  
Phone 214 637-4820

### DENVER

2650 W. 2nd Avenue  
Denver, Colorado 80219  
Phone 303 922-1163

### DETROIT

1120 Doris Rd.  
Pontiac, Michigan 48057  
Phone 313 373-3800

### HOUSTON

4801 Katy Freeway  
Houston, Texas 77007  
Phone 713 861-4671

### LOUISIANA

Beerman Precision Machine  
2021 Thalia Street  
P.O. Box 53432  
New Orleans, Louisiana 70150

### MAINE

Stultz Electric Works Inc.  
25 Bridge Street  
Westbrook, Maine 04092

### MARYLAND

M & M Electric Motor Rep.  
702 East Street  
Frederick, Maryland 21701  
Roland Electric Co.  
330 West 23rd Street  
Baltimore, Maryland 21211  
Turner Electric Company  
201 Ethan Allen Avenue  
Takoma Park, Maryland 20012

### MASSACHUSETTS

Reliance Electric Service  
573 South Canal Street  
Holyoke, Massachusetts 01040

### MICHIGAN

J.T. Hoeksema Company  
2499 28 Street S.W.  
Grand Rapids, Michigan 49509

### MINNESOTA

Hovrick Electric Motor Co.  
303-307 Main Avenue  
Moorhead, Minnesota 56560  
Reeds Sales and Service  
1260 Payne Ave.  
St. Paul, Minnesota 55101

### MISSISSIPPI

Flannigan Electric Co., Inc.  
1820 South West St. Ext.  
P.O. Box 8657  
Jackson, Mississippi 39204

### MISSOURI

P. M. Electric Company, Inc.  
5280 Fyler Avenue  
St. Louis, Missouri 63139  
Ron's Electric  
1634 Kingshighway  
Cape Girardeau, Mo 63701

## MILWAUKEE AUTHORIZED SERVICE STATIONS

### ALABAMA

Power Tool Service Inc.  
1113 4th Avenue South  
Birmingham, Alabama 35233  
Smith Power Tool Co. Inc.  
2503 Commercial Park Drive  
Mobile, Alabama 36606

### ALASKA

Aero Services Co.  
203 Post Road  
Box 1554  
Anchorage, Alaska 99501  
D & D Industries  
3960 South Cushman  
Fairbanks, Alaska 99701

### ARIZONA

Electric Motor Co.  
1028 E. Broadway  
Tucson, Arizona 85719  
Glenna Tool Service  
4036 N. 13th Way  
Phoenix, Arizona 85014

### ARKANSAS

Bromley Parts & Service, Inc.  
806 Izard  
Little Rock, Arkansas 72201

### CALIFORNIA

Acme Electric Tool Repair  
742 Wilson St.  
Santa Rosa, California 95401  
Bucknall Power Tool Service  
11910 Vose Street  
North Hollywood, California 91605  
Barnett Supply Co.  
3541 S. Market St.  
Redding, California 96001  
General Electrical Tool  
Repairs Inc.  
364 Martin Avenue  
Santa Clara, California 95050  
Kimmerly Bros., Inc.  
337 M. Street  
Fresno, California 93721  
Sacramento Industrial Electric  
6325 Elvas Avenue  
Sacramento, California 95819  
Star Tool & Supply Co.  
1028 Buenos Avenue  
San Diego, California 92100

### COLORADO

Cross Electric Motor Repair  
1321 Ute Ave.  
Grand Junction, Colorado 81501

### CONNECTICUT

Portable Power Tool Repair  
447 Arch Street Rear  
New Britain, Connecticut 06051

### FLORIDA

Electrical Repair Co.  
1228 East Cass Street  
Tampa, Florida 33602  
Florida Electric Motor Service  
1128 Atlanta Avenue  
Orlando, Florida 32806  
Holland Repair  
6410 Norwood Avenue  
Jacksonville, Florida 32208

### GEORGIA

White Hardware Company  
102 W. Congress Street  
Savannah, Georgia 31402

### HAWAII

Central Service & Sales Inc.  
687 Auahi Street  
Honolulu, Hawaii 96813  
Hawaii Planing Mill, Ltd.  
380 Kanoehue Ave.  
Hilo, Hawaii 96720

### IDAHO

K. C. Supply  
814 N. Manville  
Boise, Idaho 83704  
Rossiter Electric  
1501 South Capital  
Idaho Falls, Idaho 83401  
Wade Tool Service  
513 Thain Road  
Lewiston, Idaho 83501

### ILLINOIS

Couch & Heyle  
2500 N. Main Street  
East Peoria, Illinois 61611  
H-J Service Company  
1245 Halsted Street  
Chicago Heights, Illinois 60411  
Miller Industrial Supply Co.  
1695 N. 21st Street  
Decatur, Illinois 62525  
R.W. Bradley Supply Co.  
403-05 N. 4th St.  
Springfield, Illinois 62701  
The Struck Co.  
1106 East Bell Street  
Bloomington, Illinois 61701

### INDIANA

Anderson Bros. Tool Repair  
3531 Southeastern Avenue  
Indianapolis, Indiana 46203  
Ram Supply Co., Inc.  
1301 W. Franklin — Box 3038  
Evansville, Indiana 47730

### IOWA

Electrical Engineering &  
Equipment Co.  
1808 Delaware Street  
Des Moines, Iowa 50317  
Five Cities Tool Service, Inc.  
921 South Rolff  
Davenport, Iowa 52802  
Jim's Appliance Service  
901 Ninth Street S.W.  
Cedar Rapids, Iowa 52404

### KANSAS

B & B Electric Co.  
332 Lulu  
Wichita, Kansas 67211  
Dalton Brothers Inc.  
1110 South 14th Street  
Dodge City, Kansas 67801

### KENTUCKY

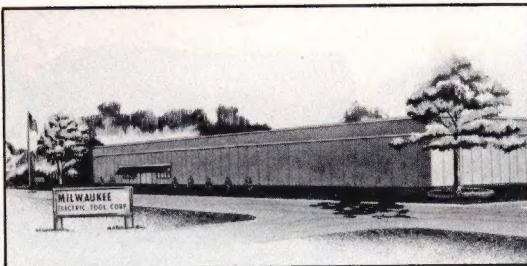
City Electric Motor Shop  
631 Kennedy Road  
Lexington, Kentucky 40508  
Tool Repair Service  
1200 Goss Avenue  
Louisville, Kentucky 40217

**Milwaukee**

# TOOL CORPORATION



BLYTHEVILLE, ARKANSAS



JACKSON, MISSISSIPPI



CANADIAN SUBSIDIARY  
MILWAUKEE ELECTRIC TOOL  
(CANADA) LTD.  
383 MIDWEST RD.,  
SCARBOROUGH, ONTARIO  
M1P3A6

**KANSAS CITY**  
1506 N. Topping  
Kansas City, Missouri 64120  
Phone 816 241-7300

**MIAMI**  
8101 N.W. 33rd Street  
Miami, Florida 33122  
Phone 305 592-0442

**MILWAUKEE**  
4057 North 128th Street  
Brookfield, Wisconsin 53005  
Phone 414 781-0951

**MINNEAPOLIS**  
4350 W. 78th St.  
Bloomington, Minnesota 55435  
Phone 612 835-4910

**NEW ORLEANS**  
5610 Jefferson Highway  
Harahan, Louisiana 70123  
Phone 504 733-8543

**NEW YORK**  
27-07 Brooklyn-Queens  
Expressway West  
Woodside, New York 11377  
Phone N.Y. 212 721-5151  
N.J. 201 622-7752

**PHILADELPHIA**  
388 Reed Road  
Broomall, Pennsylvania 19008  
Phone 215 544-5544  
Philadelphia 215 528-6771

**SAN FRANCISCO**  
329 Littlefield Avenue  
S. San Francisco, Calif. 94080  
Phone 415 583-8484  
San Francisco 415 761-2851

**SEATTLE**  
5419 Maynard Ave., South  
Seattle, Washington 98108  
Phone 206 762-8430



**MONTANA**  
Electro Service Center  
1919 Harve  
P.O. Box 4387  
Missoula, Montana 59801  
Mosch Electric Company  
326 Third Avenue South  
Great Falls, Montana 59401  
Ted's Electric Service  
902 Howard Avenue  
Billings, Montana 59102

**NEBRASKA**  
All Makes Tool Service  
8914 H. Street  
Omaha, Nebraska 68127  
Knapp Electric  
422 East 6th Street  
North Platte, Nebraska 69101

**NEVADA**  
Tool Services Inc.  
3229 Industrial Road  
Las Vegas, Nevada 89109

**NEW HAMPSHIRE**  
Hammer Industrial Supply  
Hammer Service Dept.  
175 Amherst, P.O. Box 1209  
Nashua, New Hampshire 03061

**NEW JERSEY**  
Air & Electric Tool Service  
1853 Morris Ave.  
Union, New Jersey 07083  
Sinclair Industrial Supply Co.  
93 Second Avenue  
Trenton, New Jersey 08638

**NEW MEXICO**  
Telco Electric Inc.  
2906 Fourth N.W.  
Albuquerque, New Mex. 87107

**NEW YORK**  
Barrett Electric Service Inc.  
112 Henry Street  
Schenectady, New York 12304  
Ramsing Electric Service Co.  
914 Emerson Avenue  
Syracuse, New York 13204  
Richter Electric Motor Repair  
2010 Niagara Street  
Buffalo, New York 14207

**NORTH CAROLINA**  
Portable Tool Service  
3209 Cullman Avenue  
Charlotte, North Carolina 28206

**OHIO**  
Cincinnati Electric Repair  
2023 Elm Street  
Cincinnati, Ohio 45210  
Electric Tool & Equipment Inc.  
3156 Upton Avenue  
Toledo, Ohio 43613  
M & R Electric Motor Service  
1516 East Fifth Street  
Dayton, Ohio 45403  
Moff-Master Power Tools, Inc.  
5200 Market St.  
Youngstown, Ohio 44512

**OKLAHOMA**  
Capitol Electric Motor Repair, Inc.  
2215 S.W. 11th  
Oklahoma City, Oklahoma 73108  
Hammond Electric Company  
1510 East Third Street  
Tulsa, Oklahoma 74120

**OREGON**  
Highland Tool & Machine, Inc.  
537 S.E. Glenwood  
Bend, Oregon 97701  
Jim's Tool Service  
515 Wilson Street  
Eugene, Oregon 97402  
Ken's Saw Shop  
1838 Delta Waters Road  
Medford, Oregon 97501  
Marshfield Electric Co.  
342 South Ave.  
Coss Bay, Oregon 97402  
Walker Electric Works  
206 Northwest 10th Avenue  
Portland, Oregon 97209

**PENNSYLVANIA**  
Power Tool Service  
38 West Allen Street  
Mechanicsburg, Penn. 17055  
Snyder Electric Company  
1500 Chateau Street  
Pittsburgh, Pennsylvania 15233

**PUERTO RICO**  
B and M Electric Tools  
Calle 17 S, 10 River View  
Hato Tejas, Bayamon PR 00619

**RHODE ISLAND**  
Babine Electric Service  
315 Jefferson Boulevard  
Warwick, Rhode Island 02888

**SOUTH CAROLINA**  
Mann Electric Repair Co.  
2909 Main Street  
Columbia, S.C. 29201  
Service Repair Company Inc.  
15 Hyde Street  
Greenville, S.C. 29602

**SOUTH DAKOTA**  
J. B. Center  
710 6th Avenue S.W.  
Aberdeen, South Dakota 57401  
Shakstad Authorized Service  
1400 Industrial Avenue  
Sioux Falls, South Dakota 57101

**TENNESSEE**  
Dixie Industrial Service Inc.  
2108 East Main Street  
Chattanooga, Tennessee 37404  
Electric Service Co.  
3914 McCalla Avenue  
Knoxville, Tennessee 39714  
K and K Tools  
6006 Demonbreun St.  
Nashville, Tennessee 37203  
Southern Electric Co.  
812 Porter Street  
P.O. Box 4967  
Memphis, Tennessee 38104

**TEXAS**  
Electric Motor Service & Sales  
1514 East Commerce Street  
San Antonio, Texas 78205  
G. E. Jones Electric Co.  
208 14 North Polk  
Drawer 2049  
Amarillo, Texas 79107  
Russell Bearing & Automotive  
723 East State Hwy  
Weslaco, Texas 78596

The Tool Box  
9904A Gray Blvd.  
Austin, Texas 78722  
The Tool House  
1711 Texas Avenue  
Lubbock, Texas 79401

**UTAH**  
Diamond Electric Motor  
1465 South 2nd West  
Salt Lake City, Utah 84104

**VERMONT**  
Burlington Rent-All  
23 San Remo Dr.  
S. Burlington, Vermont 05401

**VIRGINIA**  
Bryan Electric Company  
424 West 25th Street  
Norfolk, Virginia 23517  
Lloyd Electric Company  
605 3rd St. S.E.  
Roanoke, Virginia 24013  
The Staley Co., Inc.  
2024 Chamberlayne Ave.  
Richmond, Virginia 23222

**WASHINGTON**  
Center Electric Inc.  
1212 South 30th Street  
Tacoma, Washington 98409  
Clark County Saw & Tool  
7913 N.E. St. Johns Rd.  
Vancouver, Washington 98655  
Cooper Electric Motor Service  
205 South Fourth Avenue,  
Yakima, Washington 98902  
K & N Electric Motors  
217 West Cataldo  
P.O. Box 303  
Spokane, Washington 99201  
Safway Supply Inc.  
1507 East Sprague  
Spokane, Washington 99202

**WISCONSIN**  
Jet Power Tool Repair Inc.  
970 Jonathon Drive  
Madison, Wisconsin 53713  
Lackore Electric Motor Repair  
520 South 3rd Street  
La Crosse, Wisconsin 54601  
Power Tool Service Co.  
Div. of Libert Motor Supply  
310 North Webster Avenue  
Green Bay, Wisconsin 54301

**WYOMING**  
Don's Pipeline Service  
P.O. Box 458  
Rock Springs, Wyoming 82901  
Statewide Electric Co., Inc.  
226 Van Horn Ave.  
Mills, Wyoming 82644

# HEAVY-DUTY MAGNUM HOLE-SHOOTERS

ALL TRIGGER SPEED CONTROL with REVERSING SWITCH

ALL BALL AND ROLLER BEARINGS



**1/4" MAGNUM**  
CATALOG NUMBERS  
**0104-1**  
**0124-1**



**3/8" MAGNUM**  
CATALOG NUMBER  
**0224-1**



**1/2" MAGNUM**  
CATALOG NUMBER  
**0234-1**

## MAGNUM DRILL SPECIFICATIONS

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS AC ONLY	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
0104-1 REV.	1/4	120V	4.5	0-2500	SINGLE	1/2"-20	48-66-0104	48-66-3200	10	4	6-1/2
0124-1 REV.	1/4	120V	4.5	0-2000	DOUBLE	1/2"-20	48-66-0104	48-66-3200	10	4	6-1/2
0224-1 REV.	3/8	120V	4.5	0-1200	DOUBLE	1/2"-20	48-66-0224	48-66-3280	10	4	6-1/2
0234-1 REV.	1/2	120V	4.5	0-850	DOUBLE	1/2"-20	48-66-1360	48-66-3280	10-1/2	4-1/2	7

"REV." after Catalog Number indicates reversing motor.

**STANDARD EQUIPMENT:** 8' Quik-Lok Cord, Chuck Key and Keyholder. Side Handle is included with Model 0234-1 only.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## EXCLUSIVE MAGNUM FEATURES

- QUIK-LOK CORD SETS

- 8' QUIK-LOK NO. 48-76-3008  
25' QUIK-LOK NO. 48-76-3025  
50' QUIK-LOK NO. 48-76-3050  
100' QUIK-LOK NO. 48-76-3100

- EXCLUSIVE BRUSH CARTRIDGE SYSTEM — REMOVABLE BRUSH CARTRIDGE ... change brushes in less than one minute anywhere, with only a screwdriver. *CAUTION — Before servicing, disconnect power cord.*

- SELF-STOPPING BRUSHES.



- HEAVY-DUTY INDUSTRIAL CHUCK



FOR USING FULL RANGE OF DRILLING ACCESSORIES

## MAGNUM HOLE-SHOOTER ACCESSORIES

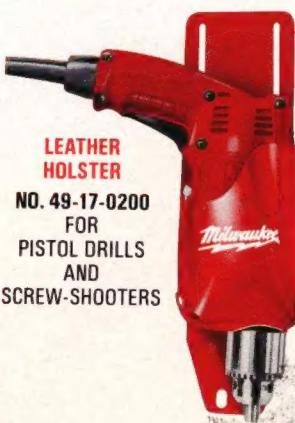
**MAGNUM SIDE HANDLE**

NO. 49-15-0150



**TYPE "A" GREASE**

NO. 49-08-0500 1/2 LB. CAN  
NO. 49-08-0800 1 LB. CAN

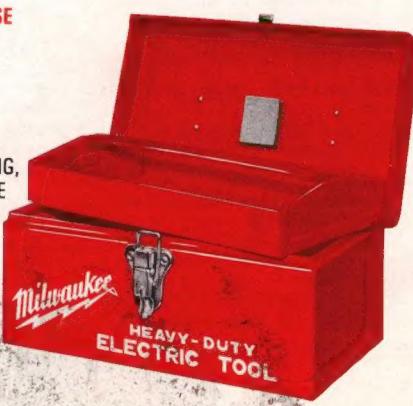


**LEATHER HOLSTER**  
NO. 49-17-0200  
FOR  
PISTOL DRILLS  
AND  
SCREW-SHOOTERS

**STEEL CARRYING CASE**

NO. 48-55-0710

FOR  
PISTOL DRILLS  
AND  
SCREW-SHOOTERS  
OVERALL SIZE 13" LONG,  
6" HIGH, 8-1/2" WIDE



HEAVY-DUTY  
ELECTRIC TOOL

# HEAVY-DUTY HOLE-SHOOTERS ALL BALL AND ROLLER BEARINGS



**0101 SINGLE SPEED  
0102-1 TRIGGER  
SPEED CONTROL  
WITH REVERSING  
SWITCH**



### TRIGGER SPEED CONTROL REVERSING

Squeeze the trigger for the exact speed you need. The further the trigger is depressed, the faster the speed. REVERSING-lever located above trigger lets you change direction with a simple flick of trigger finger.



**SINGLE SPEED  
0141  
0181  
0191  
0221**



**TRIGGER SPEED CONTROL  
WITH REVERSING SWITCH  
0122-1  
0222-1**

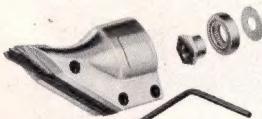
CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
0101★	1/4	120 AC	3	2500	SINGLE	3/8"-24	48-66-0260	48-66-3200	8-3/8	3-1/2	6
0102-1 REV.★	1/4	120 AC ONLY	3	0-2500	SINGLE	#1 J.T.*	48-66-0230	48-66-3200	8-3/8	3-1/2	6
0122-1 REV.	1/4	120 AC ONLY	3.3	0-2000	DOUBLE	#1 J.T.*	48-66-0230	48-66-3200	8-3/4	3-3/4	6
0141	1/4	120 AC	3.3	3500	DOUBLE	3/8"-24	48-66-0260	48-66-3200	8-3/4	3-3/4	6
0181	1/4	120 AC	3.3	2500	DOUBLE	3/8"-24	48-66-0260	48-66-3200	8-3/4	3-3/4	6
0191★	1/4	120 AC	3.3	1700	DOUBLE	3/8"-24	48-66-0260	48-66-3200	8-3/4	3-3/4	6
0221★	3/8	120 AC	3.3	650	DOUBLE	3/8"-24	48-66-0800	48-66-3080	9-1/2	4	7
0222-1 REV.★	3/8	120 AC ONLY	3.3	0-1000	DOUBLE	#2 J.T.*	48-66-0240	48-66-3080	9-1/2	4	7

\* Available in 240 Volts AC Only. Add -3 after Catalog Number when ordering. See price sheet.

★ Available in 240 Volts AC. Add -2 after Catalog Number when ordering. See price sheet.

\* Jacobs Taper Spindle.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS



**SWIVEL HEAD SHEAR ASSEMBLY**  
**NO. 48-08-0500**

Use with MILWAUKEE 1/4" HOLE-SHOOTER Model 0181. See page 78 for complete SHEAR specifications.

### SCREW-SHOOTER ACCESSORIES

For use with Trigger Speed Control Drills Nos. 0102-1, 0104-1, 0122-1, 0222-1, 0224-1 and 0234-1.



Bit and Finder 3-1/2" long with 1/4" hex shank for slotted head screws.

SCREW SIZE	CATALOG NUMBER
6F- 8R	48-30-2600
8F-10R	48-30-2625
10F-12R	48-30-2650
12F-14R	48-30-2675
14F-16R	48-30-2700

2" long Bits with 1/4" hex shanks for driving #2 and #3 Phillips screws.  
Phillips No. 2      48-30-1520  
Phillips No. 3      48-30-1500

### RUBBER FLEX KEY HOLDER

NO. 48-66-4040 FOR KEY 48-66-3080  
NO. 48-66-4080 FOR KEY 48-66-3200  
NO. 48-66-4040 FOR KEY 48-66-3280

### STEEL CARRYING CASE

**NO. 48-55-0710**  
FOR PISTOL DRILLS AND SCREW-SHOOTERS  
OVERALL SIZE 13" LONG, 6" HIGH, 8-1/2" WIDE



### LEATHER HOLSTER

**NO. 49-17-0200**  
FOR PISTOL DRILLS AND SCREW-SHOOTERS



### PLUG ADAPTER

NO. 48-03-0010

### TYPE "A" GREASE

For all Drills except Model Nos. 0222-1 and 0222-3.

**NO. 49-08-0500** 1/2 LB. CAN  
**NO. 49-08-0800** 1 LB. CAN

### TYPE "C" GREASE

For Model Nos. 0222-1 and 0222-3.  
**NO. 49-08-1000** 1 LB. CAN



**HEAVY-DUTY  
"D" HANDLE HOLE-SHOOTERS**  
**1/4", 3/8", 1/2" Capacities**  
**1800 - 350 RPM**



**ALL BALL  
AND ROLLER  
BEARINGS**

0801  
0871  
1001  
1001-1 REV.  
1006-1 REV. **DOUBLE INSULATED**  
1101  
1101-1 REV.  
1106-1 REV. **DOUBLE INSULATED**  
1201-1 REV.  
1250-1 REV.

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS AC ONLY	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
0801	1/4	120	6.2	1800	Dbl.	1/2"-20	48-66-0300	48-66-3200	13-1/4	5-3/4	9
0871	3/8	120	6.2	1350	Dbl.	1/2"-20	48-66-0840	48-66-3280	13-7/8	6-1/2	10
1001	1/2	120	4.5	600	Dbl.	1/2"-20	48-66-1280	48-66-3280	13-7/8	6-1/4	10
1001-1 REV.	1/2	120	4.5	600	Dbl.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-1/4	10
1006-1 REV.●	1/2	120	4.5	600	Dbl.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-1/4	10
1101	1/2	120	4.5	500	Trpl.	1/2"-20	48-66-1280	48-66-3280	14-1/4	6-1/2	10
1101-1 REV.★	1/2	120	4.5	500	Trpl.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-3/4	10-1/2
1106-1 REV.●	1/2	120	4.5	500	Trpl.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-3/4	10-1/2
1201-1 REV.	1/2	120	4.5	350	Trpl.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-3/4	10-1/2
1250-1 REV.	1/2	120	6.2	950	Dbl.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-1/2	10

**NOTE:** Abbreviation "Rev." following Catalog Number indicates reversing motor.

● Double Insulated

★ Available in 240 Volts AC Only. Add -3 after Catalog Number when ordering. See price sheet.

**STANDARD EQUIPMENT:** All models — Side Handle No. 43-62-0600, Chuck Key and Rubber Flex Key Holder.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## "D" HANDLE HOLE-SHOOTER ACCESSORIES

**OPTIONAL  
ADJUSTABLE  
SIDE HANDLE  
NO. 49-15-0200**



*Milwaukee*

**STEEL  
CARRYING CASE  
NO. 48-55-0086**  
(Same as furnished  
with D-Handle Right  
Angle Drill Kits.)



**SEE PAGE 9 FOR RIGHT  
ANGLE DRIVE KITS AND  
RIGHT ANGLE DRIVE  
UNITS**

**TYPE "A" GREASE  
NO. 49-08-0500 1/2 LB. CAN  
NO. 49-08-0800 1 LB. CAN**

# RIGHT ANGLE DRILL KITS/UNITS

FOR USE WITH UP TO 2-9/16" SELFEED BITS

## PLUMBERS KIT

**NO. 3102** Kit contains NO. 1101, 500 RPM Heavy-Duty 1/2" drill and NO. 48-06-2870 Right Angle Drive, NO. 49-96-4060 9/16" open end wrench, chuck remover bar, 2 side handles and steel carrying case.

**NO. 3102-1** Same as above except with NO. 1101-1, 500 RPM Heavy-Duty 1/2" reversing drill and NO. 48-06-2871 reversing Right Angle Drive.

**NO. 3202-1** Same as above except NO. 1201-1, 350 RPM Heavy-Duty 1/2" reversing drill and NO. 48-06-2871 reversing Right Angle Drive.

## ELECTRICIANS KIT

**NO. 3002-1** Kit contains NO. 1001-1, 600 RPM Heavy-Duty 1/2" reversing drill and NO. 48-06-2871 reversing Right Angle Drive, NO. 49-96-4060 9/16" open end wrench, chuck remover bar, 2 side handles and steel carrying case.

SEE PRECEDING PAGE FOR SPECIFICATIONS ON 1/2" HOLE-SHOOTERS INCLUDED IN THESE KITS

## RAD KIT SPECIFICATIONS

RAD KIT CATALOG NO.	DRILL CATALOG NO.	RAD UNIT CATALOG NO.	RPM DRILL ONLY	RPM WITH RAD LOW SIDE	RPM WITH RAD HIGH SIDE	SHIPPING WEIGHT LBS.
3002-1	1001-1 REV.	48-06-2871	600	400	900	21
3102	1101	48-06-2870	500	335	750	21
3102-1	1101-1 REV.	48-06-2871	500	335	750	21
3202-1	1201-1 REV.	48-06-2871	350	230	525	21

NOTE: Abbreviation "Rev." following Catalog No. indicates reversing motor.

## SPECIFICATIONS FOR OTHER MILWAUKEE HOLE-SHOOTERS NOT LISTED ABOVE (Order RAD Unit and Drill Separately)

WITH DRILL CATALOG NO.	USE RAD UNIT CATALOG NO.	RPM DRILL ONLY	RPM WITH RAD LOW SIDE	RPM WITH RAD HIGH SIDE
0801	48-06-2870	1800	1200	2700
0871	48-06-2870	1350	900	2025
1001	48-06-2870	600	400	900
1006-1 REV.	48-06-2871	600	400	900
1106-1 REV.	48-06-2871	500	335	750
1250-1 REV.	48-06-2871	950	630	1425

NOTE: Abbreviation "Rev." following Catalog No. indicates reversing motor.

## RIGHT ANGLE DRIVE UNIT

Used extensively for drilling between joists, studding, in tight corners or in close quarters on machinery equipment. Provides two additional drilling speeds. Chuck transferred from drill to LOW spindle of right angle unit reduces drill's normal speed by 1/3 and increases drilling torque by 50%. Chuck transferred to opposite spindle of right angle unit increases speed by 50%.

**NO. 48-06-2870** For drills with non-reversing motors. Drill or chuck not included. Net Wgt. 2 lbs. Shp. Wgt. 3 lbs.

**NO. 48-06-2871** For drills with reversing motors.



**STEEL CARRYING CASE**  
NO. 48-55-0086

For D-Handle Right Angle Drills.  
When ordered separately.

## NO. 48-06-2860 33° ANGLE DRIVE KIT

FOR DRILL MODELS 1001-1 REV., 1006-1 REV., 1101, 1101-1 REV., 1106-1 REV., 1201-1 REV., 1250-1 REV.

Stretches drilling reach up to 30 inches. Permits easy drilling of up to 2-9/16" dia. holes. Kit consists of an extension tube, side handle, drive shaft with hex sockets on both ends, two clamping collars and a 33° Angle Drive unit. Use 33° Angle Drive with the 30" extension only. 33° angle units operate at the same speed as the drill powering them.



## NO. 48-95-0400 30" EXTENSION

30" extension available separately for use with MILWAUKEE RAD units NOS. 48-06-2870 and 48-06-2871. Unit comes complete with 30" extension tube, drive shaft with hex socket on both ends, two clamping collars, and side handle. Purchase RAD unit separately.

**TYPE "A" GREASE** NO. 49-08-0500 1/2 Lb. Can  
NO. 49-08-0800 1 Lb. Can

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

# HEAVY-DUTY HOLE HAWGS

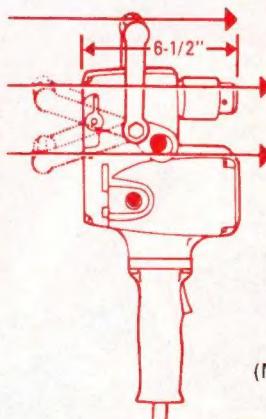
## 2 MODELS

SINGLE SPEED  
900 RPM

TWO SPEED  
1200 and  
300 RPM

BOTH MODELS WITH REVERSING MOTOR

Compact design for drilling between studs and joists. Power and torque to handle up to 4-5/8" Selfeed Bits. Models have triple reduction gearing, ball and roller bearings and weigh only 10-1/2 lbs.



### FUNCTIONAL DESIGN

*Puts force in line with chuck*

**2 POSITION PIPE HANDLE**

**3 POSITION SPADE HANDLE**

**2 SPEED GEAR SHIFT**

(Models 1675-1 Rev. and 1676-1 Rev.)

**EXTERNAL BRUSH CAPS**



### STEEL CARRYING CASE

(When ordered separately)

NO. 48-55-0110

### TYPE "C" GREASE

1 lb. can

NO. 49-08-1000

CATALOG NUMBER	SPEED	NO. LOAD RPM	CAPACITY			VOLTS AC ONLY	AMPS	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	NET WGT. LBS.	SHP. WGT. LBS.	
			WOOD											
			WITH AUGER BIT	WITH SHIP AUGER BIT	WITH SELFED BIT	STEEL								
1670-1 REV.	Single	900	1-1/2"	1-1/2"	2-9/16"	7/16"	115	7.5	Trpl.	5/8"-16	48-66-1380	48-66-3280	10-1/2	16
1675-1 REV.	High	1200	1-1/8"	1-1/4"	1-3/8"	5/16"	115	7.5	Trpl.	5/8"-16	48-66-1380	48-66-3280	10-1/2	16
	Low	300	1-1/2"	1-1/2"	4-5/8"	1/2"								
1676-1 REV.			Same as 1675-1 but with steel carrying case											24

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

# HEAVY-DUTY SUPER HOLE-SHOOTERS

BALL AND ROLLER BEARINGS



1600  
1600-1 REV.  
1620-1 REV.  
1650  
1650-1 REV.



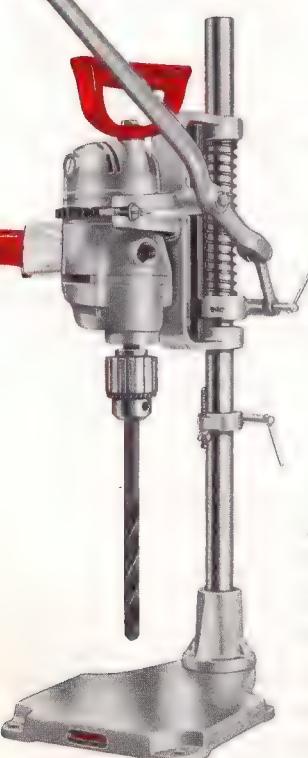
1704-1 REV.  
1754-1 REV.  
1854  
1854-1 REV.

2404-1 REV.

*Milwaukee*

## TYPE "A" GREASE

NO. 49-08-0500 1/2 Lb. Can  
NO. 49-08-0800 1 Lb. Can



**NO. 3540** ▲  
**DRILL STAND**  
**FOR DRILLS NO. 1704-1**  
**AND LARGER**

Height of Post 36"  
Max. Feed 5-1/2"  
Size of Base 10" x 10"  
Chuck to Base—Max 17-1/2"  
Chuck to Post 6-1/2"  
Wgt. Less Drill 33 lbs.  
Ship. Weight 45 lbs.

## 1-1/4" CAPACITY SUPER HOLE-SHOOTER

MILWAUKEE'S largest and most powerful Drill. Extra long switch handle and pipe handle afford maximum leverage for drilling or reaming large holes. Triple reduction, helical gearing transmits tremendous torque. Furnished with No. 3 Internal Morse Taper Socket.

## MORSE TAPER SOCKETS



**MORSE TAPER SOCKETS**  
Drift Key Included

**DRIFT  
KEYS**

49-66-0600	#2 MT	5/8"-16	48-86-0050
49-66-0700	#3 MT	5/8"-16	48-86-0070

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
1600	1/2	120	6	600	Dbl.	1/2"-20	48-66-1280	48-66-3280	12-1/4	9-1/2	13
1600-1 REV.★	1/2	120	6	600	Dbl.	5/8"-16	48-66-1380	48-66-3280	12-1/4	9-1/2	13
1620-1 REV.	3/8w1/2chuck	120	6	+900	Dbl.	5/8"-16	48-66-1380	48-66-3280	12-1/4	9-1/2	13
1650	1/2	120	6	450	Trpl.	1/2"-20	48-66-1280	48-66-3280	12-1/4	9-1/2	13
1650-1 REV.★	1/2	120 AC-DC	6	450	Trpl.	5/8"-16	48-66-1380	48-66-3280	12-1/4	9-1/2	13
1704-1 REV.	1/2	120	10	600	Dbl.	#6 J.T.*	48-66-1480	48-66-3120	16	14-3/4	21
1754-1 REV.	5/8	120	10	525	Trpl.	#3 J.T.*	48-66-1680	48-66-3120	16-1/2	15-3/4	22
1854	3/4	120	11	400	Trpl.	5/8"-16	48-66-2040	48-66-3160	16-1/2	16-3/4	20
1854-1 REV.★	3/4	120	10	400	Trpl.	#3 J.T.*	48-66-2080	48-66-3160	16-1/2	16-3/4	22
2404-1 REV.★‡	1-1/4	120	10	250	Trpl.	*	-	-	16-3/4	21-1/2	26

\* Available in 240 Volts. Add -3 after Catalog Number when ordering. See price sheet.  
"Rev." after Catalog No. indicates reversing type motor.

Jacobs Taper Spindle.

†For fast, deep hole drilling with auger bits.

•With No. 3 Internal Morse Taper Socket.

‡To adapt a 3/4" capacity chuck to 2404-1 Drill with No. 3 Internal Morse Taper Socket,  
specify Chuck Kit No. 49-22-1550. Kit consists of Chuck No. 48-66-2000 and Arbor No. 48-07-0100.

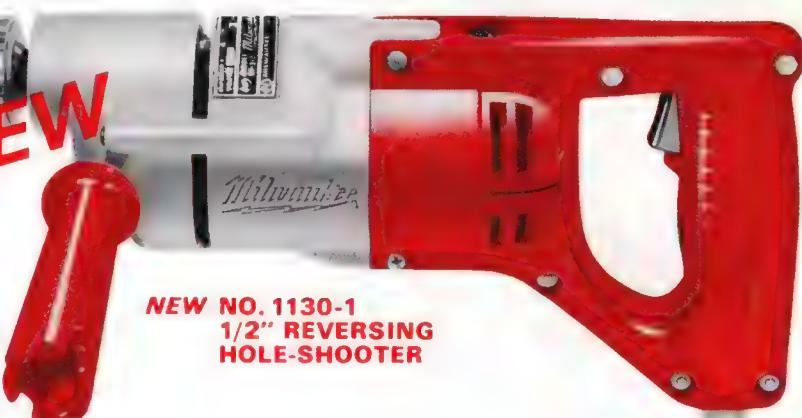
# 12 VOLT HEAVY-DUTY BATTERY POWERED TOOLS

BALL AND ROLLER BEARINGS



**NO. 0135  
1/4" HOLE SHOOTER**  
**NO. 0235  
3/8" HOLE SHOOTER**

**NEW**



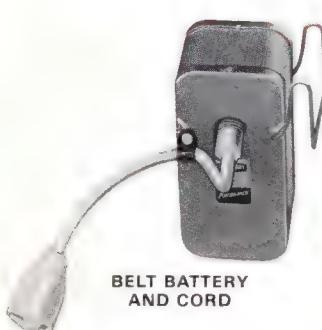
**NEW NO. 1130-1  
1/2" REVERSING  
HOLE-SHOOTER**

**Milwaukee**

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
0135	1/4	12	15.0	1750	DOUBLE	3/8"-24	48-66-0260	48-66-3200	9-1/2	3-3/4	6
0235	3/8	12	15.0	600	DOUBLE	3/8"-24	48-66-0800	48-66-3080	9-1/2	3-3/4	6
<b>NEW 1130-1 REV.</b>	1/2	12	15.5	360	TRIPLE	1/2"-20	48-66-1280	48-66-3280	13-1/4	6-3/4	10

"REV" after Catalog Number indicates reversing motor

## 12 VOLT BATTERY POWERED TOOL ACCESSORIES



**BELT BATTERY AND CORD**



**NEW CADMIUM BATTERY CHARGER**



**NEW BATTERY AND CARRYING CASE**



**6 AMP BATTERY CHARGER**



**6' CORD WITH BATTERY CLIPS**

### BELT BATTERY AND CORD

(For use with Pistol Drill Model Nos. 0135 and 0235 only.)  
BATTERY OUTPUT IS SUBJECT TO THE POWER CONSUMED.

**NO. 48-11-0060** 9.6 Volt Nickel-Cadmium BATTERY (less cord). 4 amp hours capacity, .70 to .25 hours of actual in use running-time before recharging is required. Use adapter cord No. 48-76-0090.

**NO. 48-76-0090** 12" Adapter Cord furnished separately.

### NEW CADMIUM BATTERY CHARGER

For Belt

Battery — 14 hour fast charge. Plug into 115 Volt AC outlet and connect to battery.

**NEW BATTERY AND CARRYING CASE** The 12 Volt Gel/Cell® storage battery has a rated capacity of 28 amp. hours, 4.7 to 1.9 hours of actual in use running time before recharging is required.

### BATTERY NO. 48-11-0070

### CARRYING CASE NO. 48-55-0040

**NOTE:** When ordering tools for use without the MILWAUKEE Battery carrying case, the 6 foot cord with battery clips NO. 48-76-0060, is required. (See below.)

### 6 AMP BATTERY CHARGER NO. 48-59-0100

An economical battery charger for recharging 12 volt batteries at 6 amps. Polarity protected — built-in circuit breaker protects against short circuits and overloads. Completely automatic — charger shuts off when battery reaches charge capacity. Equipped with ammeter to show rate of charge.

### 6' CORD WITH BATTERY CLIPS NO. 48-76-0060

For connecting 12 Volt tools to 12 Volt batteries in motor vehicles, boats, mowers, etc., use this two wire, 10 gauge cord with 2 battery clips and female connection.

### 25' 12 VOLT EXTENSION CORD NO. 48-76-0050

Can be used with MILWAUKEE battery case or cord with battery clips.

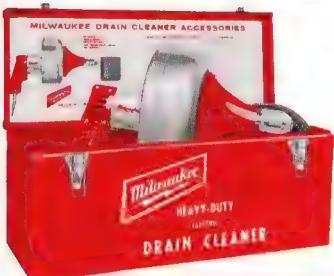
### TYPE "A" GREASE

NO. 49-08-0500 1/2 Lb. Can NO. 49-08-0800 1 Lb. Can

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS



BALL AND  
ROLLER BEARINGS



STEEL CARRYING CASE  
When purchased separately.  
NO. 48-55-6055



STEEL CABLE

INNER-CORE DROP HEAD CABLE

**STEEL CABLE** is right-hand wound cable which expands when torque is applied. Designed for feeding through crossbars, down through and around the goose neck, or traps. It eliminates removal of the trap or clean out plug.

#### STEEL CABLES

NO. 48-53-0015	5/16" x 25'	Includes repair hook.
NO. 48-53-0035	5/16" x 30'	Includes repair hook.
NO. 48-53-0010	1/4" x 25'	Includes repair hook.
NO. 48-53-0030	1/4" x 30'	Includes repair hook.

**INNER-CORE DROP HEAD CABLE** is left-hand wound cable which tightens against center core when torque is applied, making a solid shaft. Once through stoppage, tension on the cable is released, and it becomes flexible again.

#### INNER-CORE DROP HEAD CABLES

NO. 48-53-0020	5/16" x 25'	Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing heads.
NO. 48-53-0025	5/16" x 30'	Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing heads.
NO. 48-53-0040	5/16" x 50'	Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing heads.
NO. 48-53-0050	3/8" x 35'	Includes drop head, 1" and 1-1/4" cutter, socket head screws and wrenches for changing heads, extraction hook.

#### DROP HEAD PARTS KIT NO. 49-22-2500

For 5/16" Inner-Core Cable — includes drop head set screw for drop head, socket wrench for drop head, 3/4" cutter, 1" cutter, set screws and socket wrench for cutters.

#### DROP HEAD PARTS KIT NO. 49-22-2510

For 3/8" Inner Core Cable — includes drop head, set screw for drop head, socket wrench for drop head, 1" and 1-1/4" cutter, set screws and wrench for cutters, extraction hook.

**Milwaukee**  
**HEAVY-DUTY**  
**DRAIN CLEANER**

HOLDS UP TO 35' OF 3/8" CABLE  
OR 50' OF 5/16" INNER CORE CABLE

- TRIGGER SPEED CONTROL AND REVERSING MOTOR PROTECT CABLE FROM DAMAGE AND PERMIT SAFE OPERATION FROM 0 TO 500 RPM
- RUST RESISTANT ALUMINUM DRUM
- QUICK, EASY RODDING OF UP TO 2" WASTELINES
- KEYLESS CHUCK OFFERS QUICK HAND TIGHTENING AND CABLE FEED

CATALOG NUMBER	VOLTS AC ONLY	AMPS	SPEED RPM	MAX. PIPE SIZE I. D.	LENGTH INS.	NET WGT. LBS.	SHP. WGT. LBS.
0567-1 KIT*	115	1.85	0 to 500	2"	17	7-1/4	34
0566-1 TOOL ONLY	115	1.85	0 to 500	2"	17	7-1/4	10

NO. 0567-1 Kit\* includes: 1/4" x 25' Steel Cable No. 48-53-0010, 1/4" Repair Hook No. 49-20-0020, Cable Guide Holder No. 49-17-0160, Cable Guide No. 49-13-0010 and Steel Carrying Case No. 48-55-6055

NO. 0566-1 Tool Only — Less Carrying Case and Accessories

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS



**REPAIR HOOK** NO. 49-20-0020 for 1/4" steel cable.  
**REPAIR HOOK** NO. 49-20-0040 for 5/16" steel cable.

**REPAIR BULB** NO. 48-50-0010 for 5/16" inner-core drop head cable.

**REPAIR BULB** NO. 48-50-0020 for 3/8" inner-core drop head cable.

**DROP HEAD ASSEMBLY** NO. 49-16-0010 for 5/16" inner-core drop head cable.

**DROP HEAD ASSEMBLY** NO. 49-16-0020 for 3/8" inner-core drop head cable.

**CUTTER 3/4"** NO. 48-38-0050 for 5/16" inner-core drop head cable.

**CUTTER 1"** NO. 48-38-0060 for 5/16" inner-core drop head cable.

**CUTTER 1"** NO. 48-38-0070 for 3/8" inner-core drop head cable.

**CUTTER 1-1/4"** NO. 48-38-0080 for 3/8" inner-core drop head cable.

**TYPE "A" GREASE** NO. 49-08-0500 1/2 lb. can

**TYPE "A" GREASE** NO. 49-08-0800 1 lb. can

# HEAVY-DUTY DRILL ACCESSORIES



INDUSTRIAL  
CHUCKS



## CHUCKS



CHUCK  
KEYS



RUBBER FLEX  
KEY HOLDERS

### CHUCKS FOR NON-REVERSING DRILLS (Chuck Key Included)

CHUCK CATALOG NUMBER	CAPACITY	THREAD SIZE	CHUCK KEY CATALOG NUMBER	KEY HOLDER CATALOG NUMBER
48-66-0260	1/4"	3/8"-24	48-66-3200	48-66-4080
48-66-0300	1/4"	1/2"-20	48-66-3200	48-66-4080
48-66-0500	5/16"	3/8"-24	48-66-3240	48-66-4040
48-66-0540	5/16"	1/2"-20	48-66-3240	48-66-4040
48-66-0800	3/8"	3/8"-24	48-66-3080	48-66-4040
48-66-0810	3/8"	3/8"-24	48-66-3240	48-66-4040
48-66-0840	3/8"	1/2"-20	48-66-3280	48-66-4040
48-66-1280	1/2"	1/2"-20	48-66-3280	48-66-4040
48-66-1440	1/2"	5/8"-16	48-66-3120	48-66-4020
48-66-1640	5/8"	5/8"-16	48-66-3120	48-66-4020
48-66-2040	3/4"	5/8"-16	48-66-3160	48-66-4020
48-66-2050	3/4"	3/4"-16	48-66-3160	48-66-4020

### CHUCKS FOR REVERSING DRILLS (Chuck Key Included)

CHUCK CATALOG NUMBER	CAPACITY	THREAD SIZE	CHUCK KEY CATALOG NUMBER	KEY HOLDER CATALOG NUMBER
48-66-0104	1/4"	1/2"-20	48-66-3200	48-66-4080
48-66-0224	3/8"	1/2"-20	48-66-3280	48-66-4040
48-66-0230•	1/4"	#1 Taper	48-66-3200	48-66-4080
48-66-0240•	3/8"	#2 Taper	48-66-3080	48-66-4040
48-66-1360	1/2"	1/2"-20	48-66-3280	48-66-4040
48-66-1380	1/2"	5/8"-16	48-66-3280	48-66-4040
48-66-1480	1/2"	#6 Taper	48-66-3120	48-66-4020
48-66-1680	5/8"	#3 Taper	48-66-3120	48-66-4020
48-66-2000	3/4"	#3 Taper	48-66-3160	48-66-4020
48-66-2080	3/4"	#3 Taper	48-66-3160	48-66-4020

• Chuck Removal Wedges required (Set of 2)

For 1/4" Drill — #1 Jacobs Taper Catalog No. 49-91-0010

For 3/8" Drill — #2 Jacobs Taper Catalog No. 49-91-0020



SELFEED  
BITS

Big hole drilling in wood for popular pipe sizes. Inside cutting planes shaves hole radius for clean, smooth holes without pressure. Bits are tapered and beveled for easy removal from holes. Sizes 1-3/4" and larger (except Insulators Bit) have replaceable double-end feed screw pilots. 3 milled flats on shanks for secure chuck grip.



LARGE  
SELFEED  
BITS

Large SELFEED BITS in 3-5/8" and 4-5/8" sizes have double inside cutter blades and a larger double-end feed screw pilot. Arbors for these 2 sizes can be removed and replaced.

CATALOG NUMBER	DESCRIPTION	SHANK TYPE	RECOMMENDED USE WITH DRILL MODELS	FOR STD PIPE SIZES
48-25-1120	1-1/8" dia.	3 Milled Flats	For 1/2" and larger drills	1/2"
48-25-1250	1-1/4" dia.	3 Milled Flats		3/4"
48-25-1370	1-3/8" dia.	3 Milled Flats		
48-25-1500	1-1/2" dia.	3 Milled Flats		1"
48-25-1750	1-3/4" dia.	3 Milled Flats	For 1/2" D-Handle drills and larger drills	1"
48-25-2120	2-1/8" dia.	3 Milled Flats		1-1/2"
48-25-2250	2-1/4" dia.	3 Milled Flats		
48-25-2560	2-9/16" dia.	3 Milled Flats	For 1/2" D-Handle drills and larger drills except 1001, 1001-1 and 1006-1	2"
48-28-6850	Dble. Feed Screw Pilot			
49-96-0060	Socket Wrench			
06-83-2620	Set Screw			

### LARGE SELFEED BITS

48-25-3620	3-5/8" dia.	3 Milled Flats	1675-1, 1700-1 and larger	3"
48-25-4620	4-5/8" dia.	3 Milled Flats	1675-1, 1750-1 and larger	4"
48-07-0200	Replaceable Arbor			
48-28-6860	Dble. Feed Screw Pilot			
49-96-0070	Socket Wrench			
06-83-6000	Set Screw			

• Cast Iron or Copper Pipe Size



INSULATORS  
BIT  
*(Without feed screw)*

A 2" machined spur bit with brad point instead of feed screw for controlled drilling. Side of bit is tapered and beveled for easy removal from hole and to eliminate binding. Ideal for installers of blown insulation.

CATALOG NUMBER	DESCRIPTION	SHANK TYPE	RECOMMENDED USE WITH DRILL MODELS	SHANK DIAMETER
48-25-2000	2"	Round	0234-1, 1001 and larger	1/2"

### INSULATORS BIT

COUPLING



ONE PIECE

CATALOG NUMBER	LENGTH	REQUIRED COUPLING	REPLACEMENT SET SCREW CATALOG NO.	REPLACEMENT SOCKET WRENCH CATALOG NO.
48-28-3112	5-1/2"	48-28-0920	06-83-2620	49-96-0060
48-28-3115	12"	48-28-0920	06-83-2620	49-96-0060
48-28-3300	18"	48-28-0920	06-83-2620	49-96-0060
48-28-3400	18"	No Coupling Required	06-83-6000	49-96-0070
48-28-3500	24"	No Coupling Required	06-83-6000	49-96-0070

### 7/16" HEX EXTENSION SHANKS

For Selfeed Bits, Auger Bits and Hole Saws (1" dia. and larger) with 7/16" hex shank

# HEAVY-DUTY DRILL ACCESSORIES

## PLUMBERS' BIT KIT NO. 49-22-0060

A complete assortment of most commonly used MILWAUKEE Bits for BIG-HOLE drilling. Sizes include 7/8", 1-1/8", 1-1/4", 1-1/2" Auger Bits and the famous MILWAUKEE "Selfeed" Bits in 1-3/4", 2-1/8", and 2-9/16" diameters. Also 5-1/2" hex extension shank and coupling, extra double-end feed screw pilot, socket wrench and steel carrying case. Shipping weight 8-1/2 lbs.

CARRYING CASE only  
NO. 48-55-0030



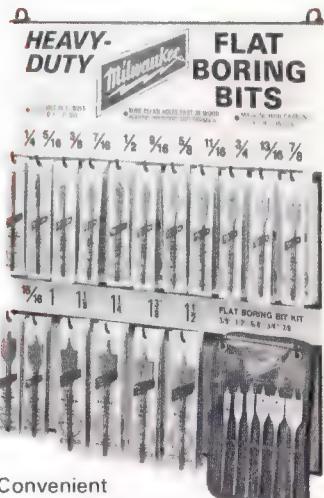
## AUGER BITS

Sizes from 3/4" to 1-1/2" . All 4" twist and 6-1/2" long. 7/16" hex shanks for sure chuck grip. Precision made of special bit steel, heat treated and tempered for long life. Feed screw pilot draws bit into wood. Cutting spurs and lips stay sharp longer.

CATALOG NUMBER	DESCRIPTION	FOR STD. PIPE SIZES
48-13-0750	3/4" x 4" Twist	
48-13-0870	7/8" x 4" Twist	3/8"
48-13-1000	1" x 4" Twist	
48-13-1120	1-1/8" x 4" Twist	1/2"
48-13-1250	1-1/4" x 4" Twist	3/4"
48-13-1370	1-3/8" x 4" Twist	
48-13-1500	1-1/2" x 4" Twist	1"

Milwaukee

## FLAT BORING BIT MERCHANDISER NO. 49-22-0081



Convenient wall hanging or for mounting on pegboard. Comes to you attractively finished and assembled. Merchandiser unit is supplied with MILWAUKEE Flat Boring Bits in the assortment listed below. Bits are packaged in durable, clear vinyl jackets.

DIAMETER	CATALOG NUMBER	SHANK DIAMETER	OVERALL LENGTH
1/4"	48-27-0251	3/16"	6-1/8"
5/16"	48-27-0311	3/16"	6-1/8"
3/8"	48-27-0371	1/4"	6-1/8"
7/16"	48-27-0441	1/4"	6-1/8"
1/2"	48-27-0501	1/4"	6-1/8"
9/16"	48-27-0561	1/4"	6-1/8"
5/8"	48-27-0621	1/4"	6-1/8"
11/16"	48-27-0681	1/4"	6-1/8"
3/4"	48-27-0751	1/4"	6-1/8"

DIAMETER	CATALOG NUMBER	SHANK DIAMETER	OVERALL LENGTH
13/16"	48-27-0811	1/4"	6-1/8"
7/8"	48-27-0871	1/4"	6-1/8"
15/16"	48-27-0941	1/4"	6-1/8"
1"	48-27-1001	1/4"	6-1/8"
1-1/8"	48-27-1121	1/4"	6-3/4"
1-1/4"	48-27-1251	1/4"	6-3/4"
1-3/8"	48-27-1371	1/4"	6-3/4"
1-1/2"	48-27-1501	1/4"	6-3/4"



## FLAT BORING BIT KIT NO. 49-22-0071

Contains 6 popular size flat boring bits in heavy protective plastic. Assortment includes 3/8", 1/2", 5/8", 3/4", 7/8", and 1" sizes in pockets for orderly storage and easy size selection.

CATALOG NUMBER	NUMBER OF PACKAGES
48-27-0251	3
48-27-0311	3
48-27-0371	3
48-27-0441	3
48-27-0501	3
48-27-0561	3
48-27-0621	3
48-27-0681	3
48-27-0751	3
48-27-0811	3
48-27-0871	3
48-27-0941	3
48-27-1001	3
48-27-1121	3
48-27-1251	3
48-27-1371	3
48-27-1501	3
49-22-0071	3

12" FLAT BORING BIT EXTENSION NO. 48-28-3350

# HEAVY-DUTY HOLE SAWS

## 3 TYPES ALL SHATTER RESISTANT

MILWAUKEE Hole Saws provide an economical means of extending the useful range of portable drills, drill presses and lathes. High speed cutting edges welded to steel bodies produce clean, accurate holes. Shatter-resistant construction makes them safe to use and provides an extra margin of durability.

### CARBIDE-TIPPED DEEP CUTTING

MILWAUKEE deep cutting, carbide-tipped Hole Saws are the fastest cutting carbide-tipped saws on the market. Longer life and faster cutting mean greater savings. **Not recommended for metal.**

- CUTS CERAMIC TILE
- FLAKEBOARD
- FIBERBOARD
- ASBESTOS BOARD
- FIBER GLASS
- WOOD



HOLE DIA. SIZE	CATALOG NUMBER	USE WITH ARBOR NO.	PIPE EN- TRANCE SIZE	FOR COPPER PIPE SIZE (I.D.)
3/4"	49-56-0753			
7/8"	49-56-0873	49-56-6950	1/2"	5/8"
1"	49-56-1003	49-56-6960		3/4"
1-1/8"	49-56-1123	49-56-7000	3/4"	3/4"
1-1/4"	49-56-1253			1"
1-3/8"	49-56-1373			1"
1-1/2"	49-56-1503	49-56-6970		1-1/4"
1-3/4"	49-56-1753			1-1/4" 1-1/2"
2"	49-56-2003	49-56-7055	1-1/2"	
2-1/4"	49-56-2253	49-56-7100		2"
2-1/2"	49-56-2503			2" 2"
3"	49-56-3003		2-1/2"	2-1/2"
3-1/2"	49-56-3503			3"
4-1/4"	49-56-4253			4"

SEE PAGE 17 FOR ARBORS, ORDER ARBORS SEPARATELY.

### HOLE SAW KITS



#### DEEP CUTTING HOLE SAW KIT NO. 49-22-4060

Consists of 1", 1-1/4", 1-1/2", 1-3/4", 2-1/4", 3", 3-3/8" sizes, Arbor Nos. 49-56-(7000 and 7055) and steel case



#### STANDARD HOLE SAW KIT NO. 49-22-4050

Consists of 7/8", 1-1/8", 1-1/2", 1-3/4", 2", 2-1/2" sizes. Arbor Nos. 49-56-(7000 and 7055) and steel case.

#### STEEL CASE ONLY

NO. 48-55-0760 Used with either of above kits

### DEEP CUTTING AND STANDARD

MILWAUKEE high speed steel Hole Saws are high production tools designed for cutting all machineable materials, including steel, aluminum, copper, brass, sheet metal, stainless steel, wood or plastics. Available in deep cutting and standard depth versions.

#### DEEP CUTTING

CUT TO  
1-3/4" DEPTH



HOLE DIA. SIZE	CATALOG NUMBER	USE WITH ARBOR NO.	PIPE EN- TRANCE SIZE	FOR COPPER PIPE SIZE (I.D.)
7/8"	49-56-0871		49-56-6950	1/2" 5/8"
1"	49-56-1001		49-56-6960	3/4"
1-1/8"	49-56-1121		49-56-7000	3/4" 3/4"
1-1/4"	49-56-1251			1"
1-3/8"	49-56-1371			1"
1-1/2"	49-56-1501	49-56-6970		1-1/4"
1-3/4"	49-56-1751			1-1/4" 1-1/2"
2"	49-56-2001		49-56-7055	1-1/2"
2-1/4"	49-56-2251		49-56-7100	2"
2-1/2"	49-56-2501			2" 2"
3"	49-56-3001			2-1/2" 2-1/2"
3-3/8"	49-56-3371			3"
4-1/4"	49-56-4251			4"

SEE PAGE 17 FOR ARBORS, ORDER ARBORS SEPARATELY.

### STANDARD CUT TO 1-1/4" DEPTH

HOLE DIA. SIZE	CATALOG NUMBER	USE WITH ARBOR NO.	PIPE SIZES FOR PIPE EN. PIPE PIPE TAP TRANCE SIZE (I.D.)
9/16"	49-56-0560		1/8"
5/8"	49-56-0620		1/4"
11/16"	49-56-0680		3/8"
3/4"	49-56-0750		3/8" 1/2"
13/16"	49-56-0810	49-56-6950	1/2"
7/8"	49-56-0870	49-56-6960	3/4" 1/2" 5/8"
15/16"	49-56-0930	49-56-7000	3/4"
1"	49-56-1000		
1-1/16"	49-56-1060		
1-1/8"	49-56-1120		1" 3/4" 3/4"
1-3/16"	49-56-1180		

1-1/4"	49-56-1250		1"
1-5/16"	49-56-1310		1"
1-3/8"	49-56-1370		1-1/4"
1-7/16"	49-56-1430		1-1/2"
1-1/2"	49-56-1500		1-1/4" 1-1/4"
1-9/16"	49-56-1560	49-56-6970	1-1/2" 1-1/4" 1-1/2"
1-5/8"	49-56-1620		
1-11/16"	49-56-1680		
1-3/4"	49-56-1750		
1-13/16"	49-56-1810		
1-7/8"	49-56-1870		
2"	49-56-2000		1-1/2"

2-1/16"	49-56-2060		2"
2-1/8"	49-56-2120		2"
2-1/4"	49-56-2250		2"
2-5/16"	49-56-2310		2"
2-3/8"	49-56-2370		2"
2-1/2"	49-56-2500		2"
2-9/16"	49-56-2560	49-56-7055	
2-5/8"	49-56-2620	49-56-7100	2-1/2"
2-3/4"	49-56-2750		
2-7/8"	49-56-2870		
3"	49-56-3000		
3-1/8"	49-56-3120		
3-1/4"	49-56-3250		
3-3/8"	49-56-3370		
3-1/2"	49-56-3500		
3-5/8"	49-56-3620		3"
3-3/4"	49-56-3750		3-1/2"
3-7/8"	49-56-3870		3-1/2"
4"	49-56-4000		4"
4-1/8"	49-56-4120		3-1/2" 3-1/2"
4-1/4"	49-56-4250		4" 3-1/2" 4"

4-3/8"	49-56-4370		4"
4-1/2"	49-56-4500		4"
4-3/4"	49-56-4750		4"
5"	49-56-5000		
5-1/2"	49-56-5500		
6"	49-56-6000		

6-1/2"	49-56-6250		5"
7"	49-56-6400		
7-1/2"	49-56-6550		
8"	49-56-6700		
8-1/2"	49-56-6850		
9"	49-56-7000		
9-1/2"	49-56-7150		
10"	49-56-7300		
10-1/2"	49-56-7450		
11"	49-56-7600		
11-1/2"	49-56-7750		
12"	49-56-7900		

12-1/2"	49-56-8050		
13"	49-56-8200		
13-1/2"	49-56-8350		
14"	49-56-8500		
14-1/2"	49-56-8650		
15"	49-56-8800		
15-1/2"	49-56-8950		
16"	49-56-9100		
16-1/2"	49-56-9250		
17"	49-56-9400		
17-1/2"	49-56-9550		
18"	49-56-9700		
18-1/2"	49-56-9850		
19"	49-56-10000		
19-1/2"	49-56-10150		
20"	49-56-10300		
20-1/2"	49-56-10450		
21"	49-56-10600		
21-1/2"	49-56-10750		
22"	49-56-10900		
22-1/2"	49-56-11050		
23"	49-56-11200		
23-1/2"	49-56-11350		
24"	49-56-11500		
24-1/2"	49-56-11650		
25"	49-56-11800		
25-1/2"	49-56-11950		
26"	49-56-12100		
26-1/2"	49-56-12250		
27"	49-56-12400		
27-1/2"	49-56-12550		
28"	49-56-12700		
28-1/2"	49-56-12850		
29"	49-56-13000		
29-1/2"	49-56-13150		
30"	49-56-13300		
30-1/2"	49-56-13450		
31"	49-56-13600		
31-1/2"	49-56-13750		
32"	49-56-13900		
32-1/2"	49-56-14050		
33"	49-56-14200		
33-1/2"	49-56-14350		
34"	49-56-14500		
34-1/2"	49-56-14650		
35"	49-56-14800		
35-1/2"	49-56-14950		
36"	49-56-15100		
36-1/2"	49-56-15250		
37"	49-56-15400		
37-1/2"	49-56-15550		
38"	49-56-15700		
38-1/2"	49-56-15850		
39"	49-56-16000		
39-1/2"	49-56-16150		
40"	49-56-16300		
40-1/2"	49-56-16450		
41"	49-56-16600		
41-1/2"	49-56-16750		
42"	49-56-16900		
42-1/2"	49-56-17050		
43"	49-56-17200		
43-1/2"	49-56-17350		
44"	49-56-17500		
44-1/2"	49-56-17650		
45"	49-56-17800		
45-1/2"	49-56-17950		
46"	49-56-18100		
46-1/2"	49-56-18250		
47"	49-56-18400		
47-1/2"	49-56-18550		
48"	49-56-18700		
48-1/2"	49-56-18850		
49"	49-56-19000		
49-1/2"	49-56-19150		
50"	49-56-19300		
50-1/2"	49-56-19450		
51"	49-56-19600		
51-1/2"	49-56-19750		
52"	49-56-19900		
52-1/2"	49-56-20050		
53"	49-56-20200		
53-1/2"	49-56-20350		
54"	49-56-20500		
54-1/2"	49-56-20650		
55"	49-56-20800		
55-1/2"	49-56-20950		
56"	49-56-21100		
56-1/2"	49-56-21250		
57"	49-56-21400		
57-1/2"	49-56-21550		
58"	49-56-21700		
58-1/2"	49-56-21850		
59"	49-56-22000		
59-1/2"	49-56-22150		
60"	49-56-22300		
60-1/2"	49-56-22450		
61"	49-56-22600		
61-1/2"	49-56-22750		
62"	49-56-22900		
62-1/2"	49-56-23050		
63"	49-56-23200		
63-1/2"	49-56-23350		
64"</td			

# HEAVY-DUTY HOLE SAW ACCESSORIES

**HOLE SAW ARBORS** NOTE: ARBORS AND HOLE SAWS ARE INTERCHANGEABLE WITH MOST OTHER BRANDS

	CATALOG NUMBER	THREAD SIZE	PILOT DRILL SIZE	RECOMMENDED FOR HOLE SAW SIZES
<b>1/4" ROUND SHANK</b> 	49-56-6950	1/2"-20	1/4"	9/16" thru 1-3/16"
<b>1/4" SHANK WITH 3 FLATS</b> 	49-56-6960	1/2"-20	1/4"	9/16" thru 1-3/16"
<b>7/16" HEX SHANK</b> 	49-56-7000	1/2"-20	1/4"	9/16" thru 1-3/16"
<b>1/4" SHANK WITH 3 FLATS</b> 	49-56-6970	5/8"-18	1/4"	1-1/4" thru 2"
<b>QUICK CHANGE 7/16" HEX SHANK</b> 	49-56-7055	5/8"-18	1/4"	1-1/4" and larger
<b>QUICK CHANGE 9/16" HEX SHANK</b> 	49-56-7100	5/8"-18	1/4"	1-1/4" and larger

## PILOT DRILLS 1/4" HIGH SPEED PILOT DRILLS



(A) NO. 49-56-8000 For use with Hole Saw arbors, 49-56-6950, 49-56-7000, 49-56-7055, 49-56-7100. For general cutting of wood and metal.

(B) NO. 49-56-8002 With 1/4" fluting for light gauge metals. For use with Hole Saw arbors, 49-56-6950, 49-56-7000, 49-56-7055, 49-56-7100.

(C) NO. 49-56-8003 For use with Hole Saw arbors 49-56-6960, 49-56-6970. For general cutting of wood and metal.

## 1/4" CARBIDE-TIPPED PILOT DRILL

NO. 49-56-8005 For use with carbide-tip Hole Saws when drilling ceramic tile. Use with Hole Saw arbors, 49-56-6950, 49-56-7000, 49-56-7055, 49-56-7100.

## 7/16" HEX EXTENSION SHANKS

For Hole Saws, Selfeed Bits and Auger Bits (1" dia. and larger) with 7/16" hex shank.

EXTENSION	COUPLING	CATALOG NUMBER	LENGTH	REQUIRED COUPLING	REPLACEMENT SET SCREW CATALOG NO.	REPLACEMENT SOCKET WRENCH CATALOG NO.
		48-28-3112	5-1/2"	48-28-0920	06-83-2620	49-96-0060
		48-28-3115	12"	48-28-0920	06-83-2620	49-96-0060
		48-28-3300	18"	48-28-0920	06-83-2620	49-96-0060
ONE PIECE		48-28-3400	18"	No Coupling	06-83-6000	49-96-0070
		48-28-3500	24"	Required	06-83-6000	49-96-0070

## HEAVY-DUTY ONE PIECE HOLE SAWS

### 16 POPULAR SIZES 3/4" thru 6"



NO SEPARATE ARBOR REQUIRED

ORDER PILOT DRILL SEPARATELY

### PILOT DRILLS FOR ONE PIECE HOLE SAWS



NO. 49-56-8000

For cutting of wood and metal.



NO. 49-56-8002

With 1/4" fluting for cutting light gauge metal.

- ARBOR AND HOLE SAW ARE ONE PIECE
- 1/4" PILOT DRILL FITS ALL SIZES
- ALL SHATTER RESISTANT
- CUT CLEAN, ACCURATE HOLES IN ALL MACHINEABLE MATERIALS, INCLUDING STEEL, ALUMINUM, COPPER, BRASS, SHEET METAL, STAINLESS STEEL, WOOD OR PLASTICS

### ALL CUT TO 1-1/4" DEPTH

HOLE DIA. SIZE	CATALOG NUMBER	PIPE TAP	PIPE ENTRANCE	FOR COPPER PIPE SIZE (I.D.)	HOLE DIA. SIZE	CATALOG NUMBER	PIPE TAP	PIPE ENTRANCE	FOR COPPER PIPE SIZE (I.D.)
3/4"	49-56-0754		3/8"	1/2"	2"	49-56-2004			1-1/2"
7/8"	49-56-0874	3/4"	1/2"	5/8"	2-1/2"	49-56-2504			2"
1"	49-56-1004			3/4"	3"	49-56-3004			2-1/2"
1-1/8"	49-56-1124	1"	3/4"	3/4"	3-1/2"	49-56-3504			2-1/2"
1-1/4"	49-56-1254			1"	4"	49-56-4004			2-1/2"
1-3/8"	49-56-1374		1"		4-1/2"	49-56-4504			2-1/2"
1-1/2"	49-56-1504	1-1/4"		1-1/4"	5"	49-56-5004			2-1/2"
1-3/4"	49-56-1754	1-1/2"	1-1/4"	1-1/2"	6"	49-56-6004			2-1/2"

### ONE PIECE HOLE SAW MERCHANTISER NO. 49-22-4130



Attractive red, white and black header on a sturdy metal frame. 13 product hooks hold one each of sizes 3/4" to 4". One Piece Hole Saws as shown at right. Includes 13 pilot drills, No. 49-56-8000.

CATALOG NUMBER	SIZE	CATALOG NUMBER	SIZE
49-56-0754	3/4"	49-56-1754	1-3/4"
49-56-0874	7/8"	49-56-2004	2"
49-56-1004	1"	49-56-2504	2-1/2"
49-56-1124	1-1/8"	49-56-3004	3"
49-56-1254	1-1/4"	49-56-3504	3-1/2"
49-56-1374	1-3/8"	49-56-4004	4"
49-56-1504	1-1/2"	49-56-4504	4-1/2"
		49-56-5004	5"
		49-56-6004	6"

# HIGH SPEED STEEL TWIST DRILLS

• Precision Ground Flutes for accurate hole sizes • Black oxide finish acts as lubricant • HIGH SPEED STEEL throughout

## JOBBERS LENGTH TWIST DRILLS



- 118° POINT for easier starting.
- Capable of drilling wide range of materials including cast malleable iron, steel, and steel forgings.
- The ultimate in general purpose jobbers drills.

CATALOG NUMBER (PACKAGE)	SIZE	QUANTITY PER PACKAGE	CATALOG NUMBER (PACKAGE)	SIZE	QUANTITY PER PACKAGE
48-89-0062	1/16"	12	48-89-0312	5/16"	6
48-89-0078	5/64"	12	48-89-0328	21/64"	6
48-89-0093	3/32"	12	48-89-0343	11/32"	6
48-89-0109	7/64"	12	48-89-0359	23/64"	6
48-89-0125	1/8"	12	48-89-0375	3/8"	6
48-89-0140	9/64"	12	48-89-0390	25/64"	6
48-89-0156	5/32"	12	48-89-0406	13/32"	6
48-89-0171	11/64"	12	48-89-0421	27/64"	6
48-89-0187	3/16"	12	48-89-0437	7/16"	6
48-89-0203	13/64"	12	48-89-0453	29/64"	6
48-89-0218	7/32"	12	48-89-0468	15/32"	6
48-89-0234	15/64"	12	48-89-0484	31/64"	6
48-89-0250	1/4"	12	48-89-0500	1/2"	6
48-89-0265	17/64"	12			
48-89-0281	9/32"	12			
48-89-0296	19/64"	12			

## 1/4" SHANK TWIST DRILLS



- 1/4" straight shank
- High speed steel
- Drills wide range of materials including sheet metal, cast malleable iron, metal and wood.
- Packed 1 bit per tube

CATALOG NUMBER	BIT SIZE	FLUTE LENGTH	OVERALL LENGTH	CATALOG NUMBER	BIT SIZE	FLUTE LENGTH	OVERALL LENGTH
48-89-0266	17/64"	2"	3-5/8"	48-89-0391	25/64"	2-1/2"	4-1/2"
48-89-0282	9/32"	2"	3-5/8"	48-89-0407	13/32"	2-1/2"	4-1/2"
48-89-0297	19/64"	2-1/8"	3-7/8"	48-89-0422	27/64"	2-5/8"	4-5/8"
48-89-0313	5/16"	2-1/8"	3-7/8"	48-89-0438	7/16"	2-5/8"	4-5/8"
48-89-0329	21/64"	2-1/4"	4-1/8"	48-89-0454	29/64"	2-3/4"	4-3/4"
48-89-0344	11/32"	2-1/4"	4-1/8"	48-89-0469	15/32"	2-3/4"	4-3/4"
48-89-0360	23/64"	2-3/8"	4-1/4"	48-89-0485	31/64"	2-7/8"	4-7/8"
48-89-0376	3/8"	2-3/8"	4-1/4"	48-89-0501	1/2"	2-7/8"	4-7/8"

## 1/4" SHANK TWIST DRILL MERCHANDISER NO. 49-22-0090



Attractive red, white and black header sign on a sturdy black metal frame. Can be mounted on wall or pegboard or used on counter top. 16 product hooks will hold over 100 MILWAUKEE twist drill packages. Complete with 64 packages (4 each) of the drill bits listed at left.

## 1/2" SHANK TWIST DRILLS — SILVER AND DEMING



- 1/2" straight shank with 3 milled flats • High speed steel
- All drills are 6" long with 3-1/8" flute
- Recommended for use with drill press only
- Packed 1 bit per tube

CATALOG NUMBER	SIZE	CATALOG NUMBER	SIZE
48-89-0531	17/32"	48-89-0906	29/32"
48-89-0562	9/16"	48-89-0937	15/16"
48-89-0593	19/32"	48-89-0968	31/32"
48-89-0625	5/8"	48-89-1000	1"
48-89-0656	21/32"	48-89-1031	1-1/16"
48-89-0687	11/16"	48-89-1125	1-1/8"
48-89-0718	23/32"	48-89-1187	1-3/16"
48-89-0750	3/4"	48-89-1250	1-1/4"
48-89-0781	25/32"	48-89-1312	1-5/16"
48-89-0812	13/16"	48-89-1375	1-3/8"
48-89-0843	27/32"	48-89-1437	1-7/16"
48-89-0875	7/8"	48-89-1500	1-1/2"

## 1/2" SHANK TWIST DRILL MERCHANDISER NO. 49-22-0095



Attractive red, white and black header sign on a sturdy black metal frame. Can be mounted on wall or pegboard or used on countertop. 20 product hooks will hold 2 MILWAUKEE twist drill packages each. Complete with 40 packages (2 each) of the drill bits listed at left.

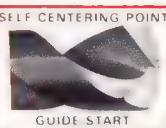
## STUB LENGTH TWIST DRILLS



- Ideal for use by heating and air conditioning, auto body shops, and sheet metal workers.

- 135° split point prevents drill from walking.

- Surface treated. Self centering.



CATALOG NUMBER (PACKAGE)	SIZE	QUANTITY PER PACKAGE	OVERALL LENGTH (IN.)
48-89-0064	1/16"	12	1-5/8"
48-89-0080	5/64"	12	1-11/16"
48-89-0095	3/32"	12	1-3/4"
48-89-0111	7/64"	12	1-13/16"
48-89-0127	1/8"	12	1-7/8"
48-89-0142	9/64"	12	1-15/16"
48-89-0158	5/32"	12	2-1/16"
48-89-0173	11/64"	12	2-1/8"
48-89-0189	3/16"	12	2-3/16"
48-89-0205	13/64"	12	2-1/4"
48-89-0220	7/32"	12	2-3/8"
48-89-0236	15/64"	12	2-7/16"
48-89-0252	1/4"	12	2-1/2"
48-89-0267	17/64"	12	2-5/8"
48-89-0283	9/32"	12	2-11/16"
48-89-0298	19/64"	12	2-3/4"
48-89-0314	5/16"	6	2-13/16"
48-89-0330	21/64"	6	2-15/16"
48-89-0345	11/32"	6	3
48-89-0361	23/64"	6	3-1/16"
48-89-0377	3/8"	6	3-1/8"
48-89-0392	25/64"	6	3-1/4"
48-89-0408	13/32"	6	3-5/16"
48-89-0423	27/64"	6	3-3/8"
48-89-0439	7/16"	6	3-7/16"
48-89-0455	29/64"	6	3-9/16"
48-89-0470	15/32"	6	3-5/8"
48-89-0486	31/64"	6	3-11/16"
48-89-0502	1/2"	6	3-3/4"

## STUB LENGTH WIRE SIZE TWIST DRILLS



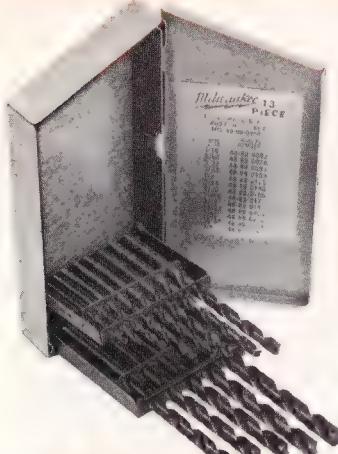
- Ideal for machine shop use
- 135° split point prevents drill from walking
- Surface treated. Self centering
- Packed 12 in an envelope

CATALOG NUMBER	WIRE GAUGE NO.	FLUTE LENGTH	OVERALL LENGTH	QUAN PER PKG.
48-89-9001	1	1-5/16"	2-7/16"	12
48-89-9002	2	1-5/16"	2-7/16"	12
48-89-9007	7	1-3/16"	2-1/4"	12
48-89-9008	8	1-3/16"	2-1/4"	12
48-89-9010	10	1-3/16"	2-1/4"	12
48-89-9011	11	1-3/16"	2-1/4"	12
48-89-9014	14	1-1/8"	2-3/16"	12
48-89-9020	20	1-1/16"	2-1/8"	12
48-89-9021	21	1-1/16"	2-1/8"	12
48-89-9022	22	1-1/16"	2-1/8"	12
48-89-9028	28	15/16"	1-15/16"	12
48-89-9030	30	15/16"	1-15/16"	12
48-89-9040	40	13/16"	1-13/16"	12

LUBRICATE DRILL BITS WITH CUTTING OIL WHEN DRILLING IRON OR STEEL. USE A COOLANT WHEN DRILLING NON-FERROUS METALS SUCH AS COPPER, BRASS OR ALUMINUM. ALWAYS WEAR SAFETY GLASSES.

# JOBBERS LENGTH TWIST DRILL SETS

Available in steel "organizer" cases with folding, holding trays which have permanently marked drill sizes.



## 13 PIECE SET

Cat. No. 48-89-0030 has two folding, holding trays. Sizes 1/16" to 1/4" by 64ths. Case only. Cat. No. 48-55-0787.



## 15 PIECE SET

Cat. No. 48-89-0020 has two folding, holding trays. Sizes 1/16" to 1/2" by 32nds. Case only. Cat. No. 48-55-0786.



## 29 PIECE SET

Cat. No. 48-89-0010 has three folding, holding trays. Sizes 1/16" to 1/2" by 64ths. Case only. Cat. No. 48-55-0785.

**Milwaukee**

## POWER SHIP AUGER BITS



3/8" SHANK

15" TWIST

18" OVERALL LENGTH

1/2" SHANK  
4" TWIST  
6" OVERALL LENGTH

Precision machined for smooth wobble free boring. 1/2" D-Handle drills and larger can use all bits.

DIAMETER	CATALOG NUMBER	DIAMETER	CATALOG NUMBER
9/16"	48-13-0561	13/16"	48-13-0811
5/8"	48-13-0621	7/8"	48-13-0871
11/16"	48-13-0681	15/16"	48-13-0931
3/4"	48-13-0751	1"	48-13-1001



1/2" SHANK

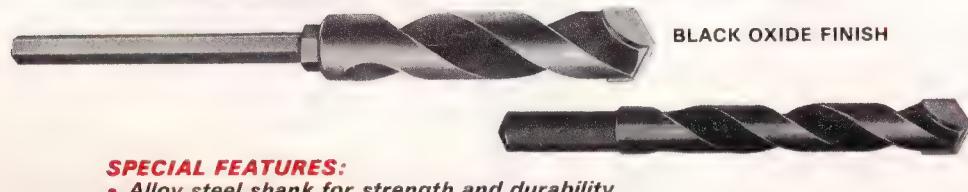
15" TWIST

18" OVERALL LENGTH

For all types of construction. Accurately machined for tough deep hole boring in wood. 1/2" D-Handle drills and larger can use all bits. Feed screw point, one cutting edge and side lip produce fast cutting.

9/16"	48-13-5560	1"	48-13-6000
5/8"	48-13-5620	1-1/16"	48-13-6010
11/16"	48-13-5680	1-1/8"	48-13-6120
3/4"	48-13-5750	1-1/4"	48-13-6250
13/16"	48-13-5810	1-3/8"	48-13-6370
7/8"	48-13-5870	1-1/2"	48-13-6500
15/16"	48-13-5930		

## CARBIDE-TIP MASONRY BITS



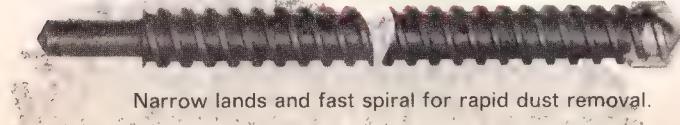
BLACK OXIDE FINISH

### SPECIAL FEATURES:

- Alloy steel shank for strength and durability
- Shallow precision machined oval flutes prevent dust packing
- Carbide-tip...the hardest metal made...brazed to alloy steel bodies

Drills masonry, brick, stone, plaster, slate. Wide, spiral flutes lift dust out of hole. Bit cuts at maximum efficiency without clogging. Produces clean, accurately sized holes fast. Carbide tip resists dulling. Bits may be resharpened on bench grinder using silicon carbide grinding wheel. Bits in sizes from 1" through 1-1/2" are of two piece design. Shank is 1/2" hex dia. with 1/2"-13 thread...nut serves as bit shoulder.

### EXTRA LENGTH BIT



Narrow lands and fast spiral for rapid dust removal.

DIAMETER	CATALOG NUMBER	SHANK DIA.	OVERALL BIT LENGTH
1/8"	48-87-0120	1/8"	3"
5/32"	48-87-0150	5/32"	3"
11/64"	48-87-0170	11/64"	3"
3/16"	48-87-0180	3/16"	3"
7/32"	48-87-0210	1/4"	3"
1/4"	48-87-0250	1/4"	4"
1/4"	48-87-0251*	1/4"	12"
1/4"	48-87-0253	1/4"	6"
9/32"	48-87-0280	1/4"	4"
5/16"	48-87-0310	1/4"	4"
3/8"	48-87-0370	1/4"	4"
7/16"	48-87-0430	1/4"	6"
1/2"	48-87-0500	3/8"	6"
1/2"	48-87-0502*	3/8"	18"
9/16"	48-87-0560	1/2"	6"
5/8"	48-87-0620	1/2"	6"
11/16"	48-87-0680	1/2"	6"
3/4"	48-87-0750	1/2"	6"
7/8"	48-87-0870	1/2"	6"
1"	48-87-1000	1/2"	12"
1-1/8"	48-87-1120	1/2"	12"
1-1/4"	48-87-1250	1/2"	12"
1-1/2"	48-87-1500	1/2"	12"

\* Extra length bit

## FEATURES

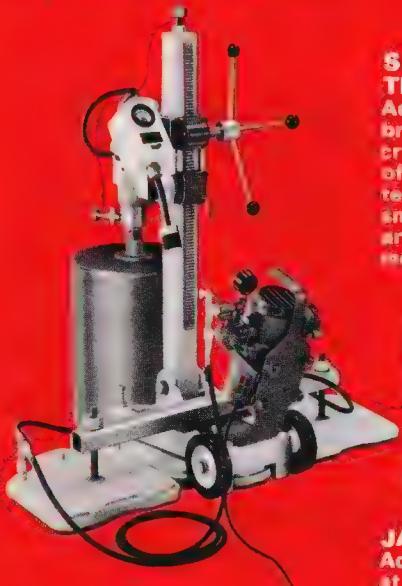


### ANGLE DRILLING

Columns can be set at any angle up to 45° when angle drilling is required.

### EXTRA RIGIDITY

The 3" square tubular column has 1/4" thick walls for superior strength in demanding situations.



### SMOOTH CRADLE TRAVEL

Adjustable and fixed brass gibs inside the cradle contact all sides of the cradle for proper tension. Gibs provide smooth cradle travel and precise drill alignment.

### EXTRA HOLDING POWER

Up to three vacuum pads can be used with the diamond drilling rigs for extra holding power.

### JACK SCREW

Adjustable jack screw at top of column provides maximum rigidity when used with telescoping assembly between ceiling and floor. Jack Screw is narrower than the column allowing quick cradle removal.

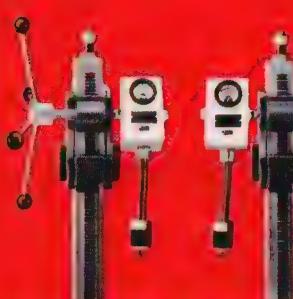
### BUBBLE LEVEL

For quick, accurate leveling. Level is mounted on cradle for easy viewing.

### RIGHT OR LEFT HANDED OPERATION

The four spoke wheel feed control and the meter box mount on either side of the cradle for right or left-handed operation.

The meter box rotates 360°. It can be mounted facing the front or the back of the rig for clear viewing.



### REMOVABLE CRADLE

For easy wall mounting.

The New MILWAUKEE Diamond Drilling Equipment parts are completely interchangeable. All units can be used with the large or small base assemblies and with or without vacuum.

**Milwaukee**

## NEW HEAVY-DUTY DIAMOND UNITS



### VAC-U-RIG® CAT. NO. 4135

For use with DYMODRILL motors. The No. 4135 VAC-U-RIG consists of a No. 4130 DYMORIG, a 30 amp meter box Cat. No. 48-51-0100, and a VAC-U-RIG attachment kit Cat. No. 49-22-7070. Includes large base with wheels and four leveling screws, adjustable tilting column, cradle for motor mounting, four spoke wheel feed control, bubble level and jack screw. The VAC-U-RIG attachment kit supplied with No. 4135 includes one vacuum pad and a vacuum pump assembly with gauge, filter, air hose and fittings. The No. 4135 can also be used without vacuum and will accept small base assembly No. 48-10-0080. Net Weight 126 lbs. Shipping weight 148 lbs. **Less DYMODRILL motor and DYMOBIT (Diamond Bit).**

\* Shown with spacer assembly.  
(Not included order separately)



### DYMORIG CAT. NO. 4130 (LARGE BASE)

The same as the 4135 above but without the meter box and the VAC-U-RIG attachment kit. The large base can be floor or wall mounted with a bolt type anchor or braced from the ceiling with a telescoping assembly by using the jack screw. The base can be replaced with No. 48-10-0080 small base or use with a VAC-U-RIG attachment kit to convert the 4130 into a 4135 VAC-U-RIG. Order meter box separately. Net weight 82.5 lbs. Shipping weight 103.5 lbs. **Less DYMODRILL motor and DYMOBIT (Diamond Bit).**



\* Shown with spacer assembly.  
(Not included order separately)



### DYMORIG CAT. NO. 4125 (SMALL BASE)

The same as the 4130 DYMORIG above but with a smaller base for confined drilling situations. For more support, the small base can be used with a VAC-U-RIG attachment kit Cat. No. 49-22-7070, or it can be replaced with the large base assembly, converting it into a 4130 DYMORIG. The 4125 will accept the same attachments as the 4130 and the 4135. Meter box not included, order separately. Net weight 71 lbs. Shipping weight 92 lbs. **Less DYMODRILL motor and DYMOBIT (Diamond Bit).**



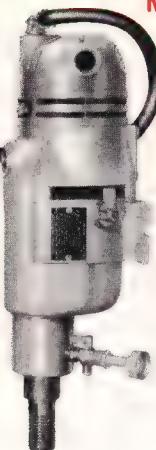
# DRILLING EQUIPMENT FOR DIAMOND CORE DRILLING IN • CONCRETE • TILE • MASONRY

## ACCESSORIES

### MOTORS

**SELECT DRILL MOTOR FROM 2-SPEED DYMODRILLS AS LISTED ON PAGE 23.**

**FIVE MOTORS AVAILABLE...  
15 AMP OR 20 AMP.  
IN SPEEDS FROM  
300 RPM THROUGH  
1200 RPM.**



### BASE ASSEMBLIES



**CAT. NO. 48-10-0090    CAT. NO. 48-10-0080**  
Large base is included with Catalog No. 4135 and Catalog No. 4130. Can be used with Catalog No. 4125 for greater support. Includes two wheels and four leveling screws. Net weight 33.5 lbs. Shipping weight 37.5 lbs.

Small base is included with Catalog No. 4125 and can be used with Catalog Nos. 4135 and 4130. Works well in restricted areas. Includes two wheels and four leveling screws. Net weight 22 lbs. Shipping weight 26 lbs.



### WATER COLLECTOR PUMP

**115 VOLTS 50-60 Hz AC ONLY\***

**CAT. NO. 49-50-0050**

Small heavy-duty pump of balanced impeller design, driven by an enclosed motor. Pumps out excess trapped water-abrasive-proof and quiet running. Furnished with reinforced plastic flexible hose. Shipping weight 12 lbs. Rated at 2.5 amps

\*Available in 230 Volts. Use Catalog No. 49-50-0052

### WATER COLLECTING RING

**CAT. NO. 48-70-0050**

For use where water flow from drilling operation must be trapped and drained. Dike-type collector ring holds water for fast disposal when used with bits through 8" maximum diameter. Used with pump described above. Shipping weight 6 lbs.

### METER BOXES

**CAT. NO. 48-51-0100  
30 AMP. 120 VOLT**

Supplied with Catalog No. 4135 and also available as an accessory. Ammeter and power switch on front panel. Two convenience outlets on back of unit. Net weight 4.75 lbs. Shipping weight 6 lbs



**CAT. NO. 48-51-0120  
20 AMP 120 VOLT**

Ammeter and power switch on front panel. Net weight 3.75 lbs. Shipping weight 5.25 lbs

**CAT. NO. 48-51-0110  
15 AMP 240 VOLT**

Ammeter and power switch are on front panel. Two convenience outlets on back of unit. Net weight 4.75 lbs. Shipping weight 6 lbs

### VACUUM PAD ASSEMBLY (Single pad)



**NO. 49-22-7100**

Single vacuum pad. Same as supplied with Catalog No. 4135 and VAC-U-RIG attachment kits. Can be used with No. 4130 and No. 4125. Net weight 8.75 lbs. Shipping weight 13 lbs

### SPACER ASSEMBLY

**CAT. NO. 49-67-0110**

Mounts between cradle and DYMODRILL motor to increase bit capacity from 10" to 14". For use with Catalog Nos. 4135, 4130, and 4125. Net weight 3 lbs. Shipping weight 5 lbs

### VAC-U-RIG ATTACHMENT KIT

Complete vacuum assemblies consisting of one vacuum pad and vacuum pump assembly with switch, gauge, filter, 8 foot air hose and fittings.



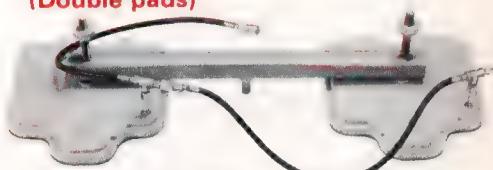
**CAT. NO. 49-22-7070  
120 VOLT**

Same as furnished with Catalog No. 4135 and also for use with Catalog Nos. 4130 and 4125. Net weight 40 lbs. Shipping weight 46 lbs

**CAT. NO. 49-22-7080  
240 VOLT**

Same as above but with 240 volt vacuum pump assembly.

### VACUUM PAD ASSEMBLY (Double pads)



**CAT. NO. 49-22-7090**

Provides extra holding force when needed. For use with Catalog Nos. 4135, 4130 and 4125. Includes two vacuum pads, cross-bar assembly and hoses. Can be used separately or in addition to the single pad supplied with the VAC-U-RIG or VAC-U-RIG attachment kits. Net weight 30 lbs. Shipping weight 34 lbs

### WATER HOSES

**NO. 49-18-0050 8 FT.**

**NO. 49-18-0060 4 FT.**



### WATER TANK

**NO. 49-76-0050**

3-1/2 gal. pressure type made of heavy gauge galvanized steel. For use where regular tap water supply is not available. Shipping weight 8 lbs.

### TELESCOPING EXTENSION ASSEMBLY

**NO. 48-95-1000**

Braces unit between floor and ceiling for maximum rigidity. Fixed hole adjustments. Assembly adjusts to 14 foot ceilings. Fractional take up between fixed settings made with jack screw at top of stands. Shipping weight 33 lbs.



### VACUUM PUMP ASSEMBLY



**CAT. NO. 49-50-0140 (120 VOLT)**

**CAT. NO. 49-50-0150 (240 VOLT)**

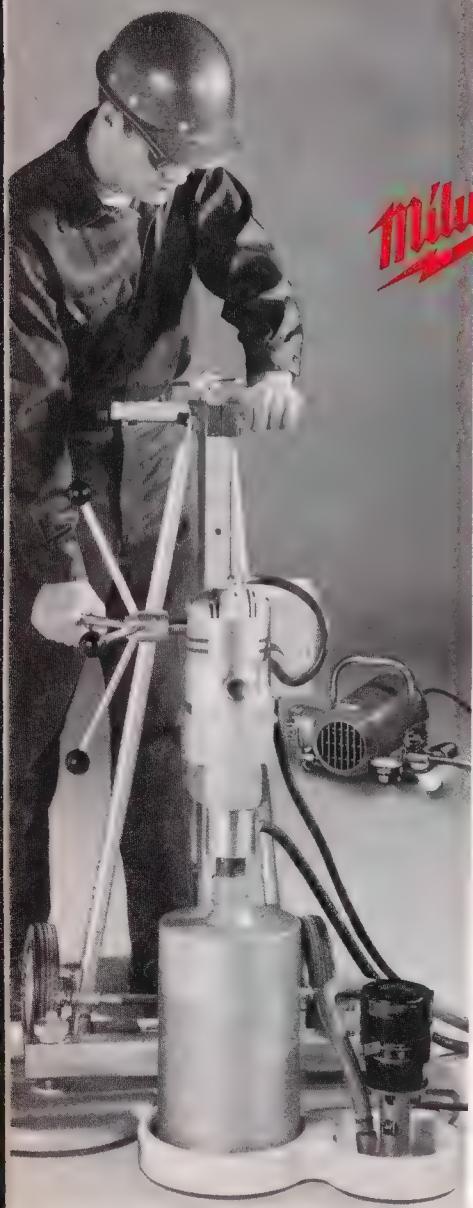
Heavy-duty 1/8 H.P. pump complete with vacuum gauge, air filter, switch and cord. May be mounted to base of unit if desired. Same as furnished with Catalog No. 4135 and VAC-U-RIG ATTACHMENT KITS. Net weight 30 lbs. Shipping weight 34 lbs



# HEAVY-DUTY DIAMOND DRILLING EQUIPMENT

FOR DIAMOND CORE DRILLING IN  
• CONCRETE • TILE  
• MASONRY

**Milwaukee**



## VAC-U-RIG® FEATURES:

### • METER BOX

Two color range ammeter, designed with dual calibrations for 15 and 20 amp DYMODRILLS, indicates proper pressure and drilling speed... warns against motor overload. Ammeter box equipped with 20 amp twist lock receptacle for DYMODRILLS, a switch and a supply cord with 20 amp twist lock plug.

### • BUBBLE LEVEL

Mounted at top of cradle. Base leveling screws provide quick set-up for true drilling.

### • ACCURATE MOTOR MOUNTING

Precision machined key-way securely positions DYMODRILL on cradle of VAC-U-RIG®. Assures accurate drilling alignment, stability.

### • VACUUM PUMP

Provides up to 3000 lbs. holding force with 2 vacuum pads. Versatile mounting bracket attaches to VAC-U-RIG®. Easily removed for horizontal drilling.

### • VACUUM PADS

13" diameter pads are cast aluminum with sponge rubber inserts. Vacuum line disconnects provide quick, simple set-up.

### • RACK AND PINION FEED

27" travel—4 spoke wheel control for uniform pressure. Operator feels drilling action of diamond bit.

### • JACK SCREW

Used with Telescoping Assembly (see page 23) when vacuum is not required. Rig can also be anchored through hole in base.

## NOTE

Stands, motors and diamond bits are sold separately. Select a DYMODRILL motor to meet your requirements from page 23. Select DYMOPBITS (Diamond Bits) from pages 24 and 25.

## DYMORIG FEATURES:

### • PORTABILITY

Lightweight cast aluminum base on wheels. Compact design. Drill motor easily removed for quick set-up.

### • BASE LEVELING SCREWS

Hole in base for anchor mounting. Base leveling screws and bubble level at top of cradle provide accurate set-up.

### • METER BOX

Same as for No. 4114 above.

### • BUBBLE LEVEL

### • JACK SCREW

## VAC-U-RIG® NO. 4114★ (STAND ONLY)



20 AMPS  
120 VOLTS AC ONLY

## VAC-U-RIG® NO. 4119★ (KIT)



The same as No. 4114 above, but with all vacuum components consisting of two 13" diameter suction pads, cross-bar, vacuum pump assembly with switch, gauge, filter, air hose and fittings. Overall height 45". Net weight 139 lbs. Shipping weight 160 lbs.

Less DYMODRILL motor and DYMOPBIT (Diamond Bit).

20 AMPS  
120 VOLTS AC ONLY



ONE VACUUM  
PAD ONLY MOUNTED  
IN CENTER, MAY BE USED FOR  
MODERATE APPLICATIONS.

## DYMORIG NO. 4104★ (STAND ONLY)



For use with DYMODRILL motors (see next page). Rack and pinion feed—24" 3 spoke feed control for uniform drilling pressure. Two color range ammeter indicates proper pressure and drilling speed—Jack Screw at top for bracing support to ceiling. DYMORIG can be used with VAC-U-RIG® Attachment Kit. See next page. Net weight 65 lbs. Shipping weight 74 lbs. Less DYMODRILL motor and DYMOPBIT (Diamond Bit).

20 AMPS  
120 VOLTS AC ONLY

# HEAVY-DUTY DYMODRILL EQUIPMENT

FOR USE WITH VAC-U-RIG® AND DYMORIG

## TWO SPEED DYMODRILLS

Triple gear reduction and heavy-duty motor produce high torque. All have heat-treated, helical-cut steel gears, ball and roller bearings, and shear pin at the spindle to protect gears and motor against overload.

CATALOG NUMBER	VOLTS	AMPS	SPEED RPM	SUGGESTED DRILLING CAPACITY	NET WGT. LBS.	SHP. WGT. LBS.
4030	120	15*	375 750	5"-8" 2-1/2"-5"	24	32
4035	120	15*	500 1000	3"-5" 1-1/4"-3"	24	32

\*Cord equipped with 20 amp twist lock plug.

Advanced, High Performance motor design provides 60% more peak horsepower than 15 amp models. Maintains higher speed under load for up to 100% increase in drilling rates. Lightweight — up to 8 lbs. lighter than competitive units.

4029*	120	20	300 600	5"-10" 2-1/2"-5"	24	32
4034*	120	20	450 900	3-1/2"-6-1/2" 1-1/2"-3-1/2"	24	32
4039*	120	20	600 1200	2-1/2"-5-1/2" 1-1/4"-2-1/2"	24	32

\*Available in 240 Volts AC. Add -2 after Catalog Number when ordering.

### Spindle Thread Size All Models 1-1/4"-7.

Capacity ranges listed on specific models are for maximum drilling efficiency in average aggregate. Speeds must be adjusted for material conditions. All models can also be used for other diameters.

**STANDARD EQUIPMENT** includes built-in water swivel, adapter to receive standard water hose, water control valve, extra shear pins, also an open end wrench for removing bits.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

### SPACER WITH KEY

NO. 49-67-0050 for Rigs Nos. 4114, 4119 and 4104 only.

Allows use of bits thru 10" diameter. Spacer 1" thick, fits between cradle of Rig and Drill. Four mounting screws included.



NO. 49-76-0050 3-1/2 gal. pressure type made of heavy gauge galvanized steel. For use where regular tap water supply is not available. Shp. Wt. 8 lbs.

### TELESCOPING EXTENSION ASSEMBLY

NO. 48-95-1000 Braces unit between floor and ceiling for maximum rigidity. Fixed hole adjustments. Assembly adjusts to 14 foot ceilings. Fractional take up between fixed settings made with jack screw at top of stands. Shp. Wt. 33 lbs.

### WATER COLLECTOR RING

NO. 48-70-0050 For use where water flow from drilling operation must be trapped and drained. Dike-type collector ring holds water for fast disposal when used with bits through 8" maximum diameter. Used with pump described below. Shp. Wt. 6 lbs.

### WATER COLLECTOR PUMP 115 VOLTS 50-60 Hz AC ONLY\*

NO. 49-50-0050 Small heavy-duty pump of balanced impeller design, driven by an enclosed motor. Pumps out excess trapped water — abrasive-proof and quiet running. Furnished with reinforced plastic flexible hose. Shp. Wt. 12 lbs. Rated at 2.5 amps.

\*Available in 230 Volt. Use Catalog No. 49-50-0052.

ALL BALL AND  
ROLLER BEARINGS



### VAC-U-RIG® ATTACHMENT KITS

Complete vacuum assemblies consisting of two 13" diameter suction pads, cross-bar, vacuum pump assembly with switch, gauge, filter, air hose and fittings.

NO. 49-22-7050 for use only with Catalog No. 4104 DYMORIG. Converts to vacuum mounting. Net Wt. 61 lbs. Shp. Wt. 65 lbs.

NO. 49-22-7060 for use with Catalog No. 4114 stand only. Same as furnished as standard with VAC-U-RIG® Catalog No. 4119 Net Wt. 55 lbs Shp. Wt. 59 lbs

NO. 49-22-7061 230 VOLT VAC-U-RIG® ATTACHMENT KIT for use with stand only. Catalog No. 4114-2. Same as furnished as standard with VAC-U-RIG® Catalog No. 4119-2 Net Wt. 55 lbs Shp. Wt. 59 lbs



### VACUUM PUMP 115 VOLTS 50-60 Hz AC ONLY\*

NO. 49-50-0115 Heavy-duty 1/6 H.P. pump complete with vacuum gauge, air filter, switch and cord. Same as furnished with VAC-U-RIG®. Net Wt. 25 lbs. Shp. Wt. 27 lbs. Rated at 3.4 amps.

\*Available in 230 Volt.

Use Catalog No. 49-50-0116.

### RUBBER WATER HOSE

NO. 49-18-0050 8' long 3/8" ID as furnished with previous DYMODRILLS. Can be used with current models after removal of standard water hose adapter.

### 3/16" SOCKET WRENCH

NO. 49-96-0085 For mounting DYMODRILLS to cradle of VAC-U-RIG®.

### 1-3/8" OPEN-END WRENCH

NO. 49-96-4700 For DYMODRILLS listed above.

### GREASE TYPE "C" FOR TWO SPEED MODELS

NO. 49-08-1000 1 Lb. Can.

# HEAVY-DUTY GENERAL PURPOSE DYMOBITS

AVAILABLE IN OPEN BACK AND SOLID BACK • FOR SIZES OTHER THAN LISTED CONTACT FACTORY

For general core drilling in reinforced concrete, tile, masonry and marble. Diamonds are precisely oriented in the matrix to provide maximum cutting efficiency at minimum cost per foot. Each stone carries its share of the load. Functionally designed waterways properly spaced in the matrix allow water to flush out cuttings and provide heat dissipation for long bit life.

## GENERAL PURPOSE SOLID BACK DYMOBITS

The welded adapter is an integral part of the Solid Back Bit. Precision machined and centered, the end of the adapter is threaded and milled flats are provided for easy removal of Dymobit from the spindle of Drill with open end wrench.



NOMINAL BIT SIZE O.D.	CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1/2"	48-16-0503	5/8"-11‡	4"
5/8"	48-16-0623	5/8"-11‡	12"
3/4"	48-16-0753	5/8"-11‡	12"
7/8"	48-16-0873	5/8"-11‡	12"
1"	48-16-1003	5/8"-11‡	12"
1-1/4"	48-16-1253	5/8"-11‡	12"
1-3/8"	48-16-1373	5/8"-11‡	12"
1-1/2"	48-16-1503	5/8"-11‡	12"
1-3/4"	48-16-1753	5/8"-11‡	12"
2"	48-16-2002	1-1/4"-7	12"
2-1/2"	48-16-2502	1-1/4"-7	12"
2-3/4"	48-16-2752	1-1/4"-7	12"
3"	48-16-3002	1-1/4"-7	12"
3-1/2"	48-16-3502	1-1/4"-7	12"
4"	48-16-4002	1-1/4"-7	12"
4-1/2"	48-16-4502	1-1/4"-7	12"
5"	48-16-5002	1-1/4"-7	12"
6"	48-16-6002	1-1/4"-7	12"
7"	48-16-7001	1-1/4"-7	12"
8"	48-16-8001	1-1/4"-7	12"
9"	48-16-9001	1-1/4"-7	12"
10"	48-16-9501	1-1/4"-7	12"
11"	48-16-9550	1-1/4"-7	12"
12"	48-16-9600	1-1/4"-7	12"
13"	48-16-9650	1-1/4"-7	12"
14"	48-16-9700	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

‡When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.



## GENERAL PURPOSE OPEN BACK DYMOBITS

Require use of EXPANSION ADAPTER. Split ring expands against bit sleeve as threaded part of adapter is drawn up. For use with bits 1-1/4" and larger. Self-centering, 3 piece friction drive for easy positioning of bit sleeve and bit removal. Expansion adapters are reusable for new bits of same size. By removing the sleeve from the adapter, an occasional lodged core can be removed from the back of the bit preventing damage to the crown.

NOMINAL BIT SIZE O.D.	CATALOG NUMBER	EXPANSION ADAPTER (REQUIRED)	CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/4"	48-16-1251	48-04-1253	5/8"-11‡	12"	
1-3/8"	48-16-1371	48-04-1373	5/8"-11‡	12"	
1-1/2"	48-16-1501	48-04-1503	5/8"-11‡	12"	
2"	48-16-2001	48-04-2000	1-1/4"-7	12"	
2-1/2"	48-16-2501	48-04-2500	1-1/4"-7	12"	
3"	48-16-3001	48-04-3000	1-1/4"-7	12"	
3-1/2"	48-16-3501	48-04-3500	1-1/4"-7	12"	
4"	48-16-4001	48-04-4000	1-1/4"-7	12"	
4-1/4"	48-16-4251	48-04-4250	1-1/4"-7	12"	
4-1/2"	48-16-4501	48-04-4500	1-1/4"-7	12"	
5"	48-16-5001	48-04-5000	1-1/4"-7	12"	
6"	48-16-6001	48-04-6000	1-1/4"-7	12"	
7"	48-16-7000	48-04-7000	1-1/4"-7	12"	
8"	48-16-8000	48-04-8000	1-1/4"-7	12"	
9"	48-16-9000	48-04-9000	1-1/4"-7	12"	
10"	48-16-9500	48-04-9500	1-1/4"-7	12"	

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

‡When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

## HEAVY-DUTY THREADED ADAPTERS AND BIT EXTENSIONS FOR DYMObITS



### THREADED ADAPTERS

NO. 48-04-0150\* THREADED ADAPTER reduces thread size of 1-1/4"-7 to 7/8"-14 or 1/2"-20 for old style DYMObITS.

NO. 48-04-0160\* THREADED ADAPTER reduces thread size of 1-1/4"-7 to 5/8"-11 for DYMObITS and extensions.

NO. 48-04-0170 THREADED ADAPTER reduces 7/8"-14 discontinued drill spindles to 5/8"-11 for 1-3/4" and smaller DYMObITS.

\* Used on DYMODRILLS listed in table on page 23



### BIT EXTENSIONS\*

NO. 48-95-1500 9" BIT EXTENSION for DYMObITS of 1-3/4" diameter and larger. Both ends are threaded 1-1/4"-7. Two or more extensions can be coupled together for deeper hole drilling. 1-3/4" Solid Back bit requires adapter 48-04-0160.

NO. 48-95-2000 10-1/2" BIT EXTENSION use with Threaded Adapter NO. 48-04-0150 for Open Back DYMObITS in sizes up to 1-1/2" with 1/2"-20 threaded adapters, and Solid Back DYMObITS in sizes 1-1/4" thru 1-3/4" with 7/8"-14 thread. Extension threads on 7/8"-14 spindle. Outer end is a two-stage spindle with 7/8"-14 and 1/2"-20 threads. Sizes 1" and smaller should not be used with this extension.

NO. 48-95-2100 10-1/2" BIT EXTENSION for 1-1/4" to 1-1/2" Open Back DYMObITS with 5/8"-11 thread and 1-1/4" to 1-3/4" Solid Back Dymobits with 5/8"-11 thread. Requires NO. 48-04-0160 Thread Adapter for mounting to drill motor.

\* All Bit Extensions can be used on DRILLS on page 23 with Adapter.



# NEW HEAVY-DUTY RED CROWN DYMOBITS

AVAILABLE IN OPEN BACK AND SOLID BACK • FOR SIZES OTHER THAN LISTED CONTACT FACTORY

**Fast Cutting Economical Impregnated Diamond Bits.** Highly concentrated diamonds uniformly distributed throughout a metal bond matrix. For materials such as reinforced concrete containing large amounts of flint, quartz, etc., pre-stressed concrete and other abrasive materials. For extremely hard aggregates, use white crown impregnated bits shown below.

## RED CROWN SOLID BACK DYMOBITS

The welded adapter is an integral part of the Solid Back Bit. Precision machined and centered, the end of the adapter is threaded and milled flats are provided for easy removal of Dymobit from the spindle of Drill with open end wrench.



NOMINAL BIT SIZE O.D.	CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1"	48-16-1004	5/8"-11‡	12"
1-1/4"	48-16-1263	5/8"-11‡	12"
1-1/2"	48-16-1523	5/8"-11‡	12"
2"	48-16-2023	1-1/4"-7	12"
2-1/2"	48-16-2523	1-1/4"-7	12"
3"	48-16-3023	1-1/4"-7	12"
3-1/2"	48-16-3522	1-1/4"-7	12"
4"	48-16-4023	1-1/4"-7	12"
4-1/2"	48-16-4503	1-1/4"-7	12"
5"	48-16-5023	1-1/4"-7	12"
6"	48-16-6023	1-1/4"-7	12"
8"	48-16-8002	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for Dymodrills. It may be necessary to use a threaded Adapter to fit Drill spindle.

‡When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

## RED CROWN OPEN BACK DYMOBITS

Require use of EXPANSION ADAPTER. Split ring expands against bit sleeve as threaded part of adapter is drawn up. For use with bits 1-1/4" and larger. Self-centering, 3 piece friction drive for easy positioning of bit sleeve and bit removal. Expansion adapters are reusable for new bits of same size. By removing the sleeve from the adapter, an occasional lodged core can be removed from the back of the bit preventing damage to the crown.



NOMINAL BIT SIZE O.D.	CATALOG NUMBER	EXPANSION ADAPTER (REQUIRED) CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/4"	48-16-1264	48-04-1253	5/8"-11‡	12"
1-1/2"	48-16-1524	48-04-1503	5/8"-11‡	12"
2"	48-16-2024	48-04-2000	1-1/4"-7	12"
2-1/2"	48-16-2524	48-04-2500	1-1/4"-7	12"
3"	48-16-3024	48-04-3000	1-1/4"-7	12"
4"	48-16-4024	48-04-4000	1-1/4"-7	12"
5"	48-16-5024	48-04-5000	1-1/4"-7	12"
6"	48-16-6024	48-04-6000	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for Dymodrills. It may be necessary to use a threaded Adapter to fit Drill spindle.

‡When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

# HEAVY-DUTY WHITE CROWN DYMOBITS

AVAILABLE IN OPEN BACK AND SOLID BACK • FOR SIZES OTHER THAN LISTED CONTACT FACTORY

**Specially Designed Fast Cutting Impregnated Diamond Bits for aged reinforced concrete and other very hard aggregates.** Highly concentrated diamonds uniformly distributed throughout a soft metal bond matrix.

## WHITE CROWN SOLID BACK DYMOBITS

Designed with softer matrix for drilling aged reinforced concrete and other very hard aggregates. The welded adapter is an integral part of the Solid Back Bit. Precision machined and centered, the end of the adapter is threaded and milled flats are provided for easy removal of Dymobit from the spindle of Drill with open end wrench.



NOMINAL BIT SIZE O.D.	CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/4"	48-16-1262	5/8"-11‡	12"
1-1/2"	48-16-1522	5/8"-11‡	12"
2"	48-16-2022	1-1/4"-7	12"
2-1/2"	48-16-2522	1-1/4"-7	12"
3"	48-16-3022	1-1/4"-7	12"
4"	48-16-4022	1-1/4"-7	12"
5"	48-16-5022	1-1/4"-7	12"
6"	48-16-6022	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for Dymodrills. It may be necessary to use a threaded Adapter to fit Drill spindle.

‡When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

## WHITE CROWN OPEN BACK DYMOBITS

Designed with softer matrix for drilling aged reinforced concrete and other very hard aggregates. Requires the use of an EXPANSION ADAPTER. Split ring expands against bit sleeve as threaded part of adapter is drawn up. For use with bits 1-1/4" and larger. Self-centering, 3 piece friction drive for easy positioning of bit sleeve and bit removal. Expansion adapters are reusable for new bits of same size. By removing the sleeve from the adapter, an occasional lodged core can be removed from the back of the bit preventing damage to the crown.



NOMINAL BIT SIZE O.D.	CATALOG NUMBER	EXPANSION ADAPTER (REQUIRED) CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/2"	48-16-1521	48-04-1503	5/8"-11‡	12"
2"	48-16-2021	48-04-2000	1-1/4"-7	12"
2-1/2"	48-16-2521	48-04-2500	1-1/4"-7	12"
3"	48-16-3021	48-04-3000	1-1/4"-7	12"
3-1/2"	48-16-3521	48-04-3500	1-1/4"-7	12"
4"	48-16-4021	48-04-4000	1-1/4"-7	12"
5"	48-16-5021	48-04-5000	1-1/4"-7	12"
6"	48-16-6021	48-04-6000	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for Dymodrills. It may be necessary to use a threaded Adapter to fit Drill spindle.

‡When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

# HEAVY-DUTY ELECTROMAGNETIC DRILL PRESS SMALL BASE

SPEED CONTROL



**Milwaukee**

## NEW ELECTROMAGNETIC DRILL STAND

with NEW SAFETY INTERLOCK

Model 4202 Electromagnetic Drill Press is equipped with a new EXCLUSIVE Safety Interlock System which prevents the motor from operating when the base is not magnetically energized. The base can not be turned off when the motor is running.

CATALOG NUMBER **4202** (STAND ONLY)

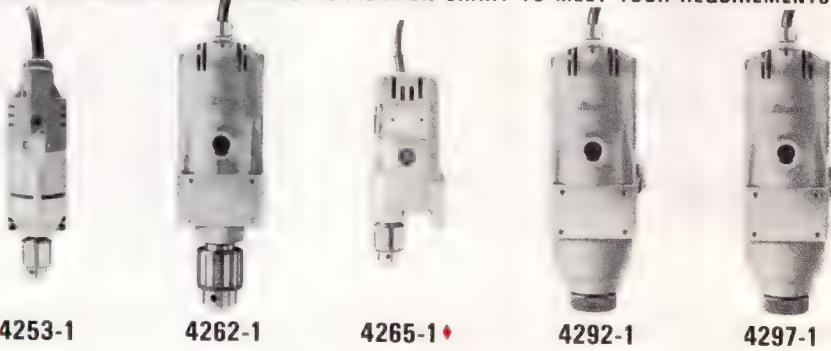
Shown with No. 4297-1 Drill Motor

120 Volts AC Only

12.5 Amps Maximum Rating with Large Drill  
Available in 240 Volt AC Only — Add -2 to Cat. No.

- INCREASED HOLDING POWER FOR MATERIALS AS THIN AS 1/2" PLATE
- 5 COMBINATIONS AVAILABLE
- UP TO 1670 LB. DRILL POINT PRESSURE ON 1" STEEL PLATE \$
- 9" DRILL TRAVEL

SELECT DRILL MOTOR FROM SPECIFICATION CHART TO MEET YOUR REQUIREMENTS



DRILL MOTOR CATALOG NUMBER	VOLTS	AMPS	CAPACITY ▲ DRILL TAP	NO LOAD RPM	CHUCK OR TAPER	REPLACE-MENT CHUCK CAT. NO.	REPLACE-MENT CHUCK KEY CAT. NO.	DRILL STAND DIMENSIONS HT W. L.	\$ DRILL POINT PRESSURE LBS.	NET WGT STAND ONLY LBS.	COMB NET WGT. STAND AND DRILL LBS.
4253-1*	120	6.2	1/2" 5/8"-18‡	600	Chuck	48-66-1360	48-66-3280	15" 4-1/4" 11"	1650	41	49
4262-1■	120	11.5	3/4" 7/8"-9	400	Chuck	48-66-2080	48-66-3160	15" 4-1/4" 11"	1670	41	60
4265-1	120	6	1/2" 5/8"-18‡	450	Chuck	48-66-1380	48-66-3280	15" 4-1/4" 11"	1450	41	52
4292-1★	120	11.5	1-1/4" 7/8"-9	750-375	No. 3MT	45-34-0050	#3 TAPER }	15" 4-1/4" 11"	1600	41	63
4297-1■★	120	11.5	1-1/4" 7/8"-9	500-250	No. 3MT	45-34-0050	SOCKET }	15" 4-1/4" 11"	1600	41	63

■ Available in 240 volt, add -3 to catalog number

★ Two speed drills

‡ Maximum pull on 1" steel plate, less on thinner sheets or irregular surfaces

• Drills except No. 4253-1 have dual mount gear case permitting reverse mounting of drill for close quarter work

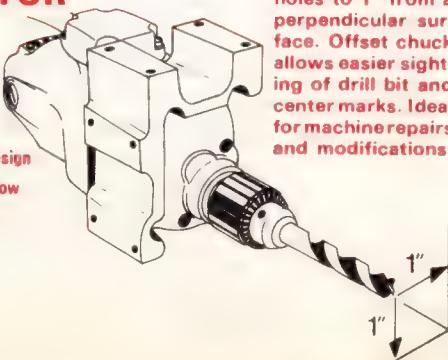
‡ 5/8"-11 or 1/2"-13 taps not recommended

▲ NOTE... To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket specify Chuck and Arbor Kit No. 49-22-1550, which consists of Chuck No. 48-66-2000 and Arbor No. 48-07-0100. These motors are capable of larger capacities when using 1/2" reduced Shank Twist Drills illustrated on page 18. Refer to the instruction manual for sizes

### CLOSE CORNER DRILL MOTOR

CATALOG NUMBER

**4265-1**



- Lightweight compact design
- 2 mounting surfaces allow positioning for hard to reach places

Close Corner Drill allows centering of holes to 1" from a perpendicular surface. Offset chuck allows easier sighting of drill bit and center marks. Ideal for machine repairs and modifications.

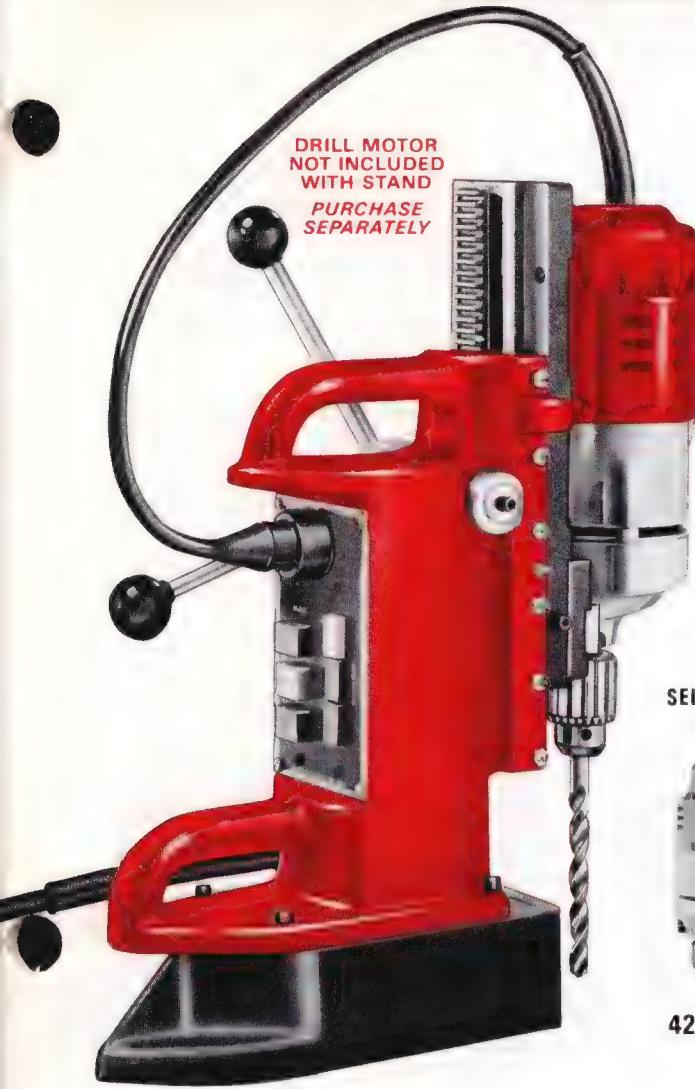
### CORD CONVERSION KITS FOR DRILL

Cord Conversion Kits are available that will permit the use of new style motors with old style bases and old style motors with new bases.

We recommend installation of Cord Conversion Kits be done at MILWAUKEE SERVICE CENTERS or AUTHORIZED SERVICE STATIONS.

▲ Adaptor plate 42-04-0580 is required to mount 4250-1 or 4252-1 drill motor to the latest magnetic drill stands with new three position slide mount.

# HEAVY-DUTY ELECTROMAGNETIC DRILL PRESS SMALL BASE



## ELECTROMAGNETIC DRILL STAND

CATALOG NUMBER **4201** (STAND ONLY)

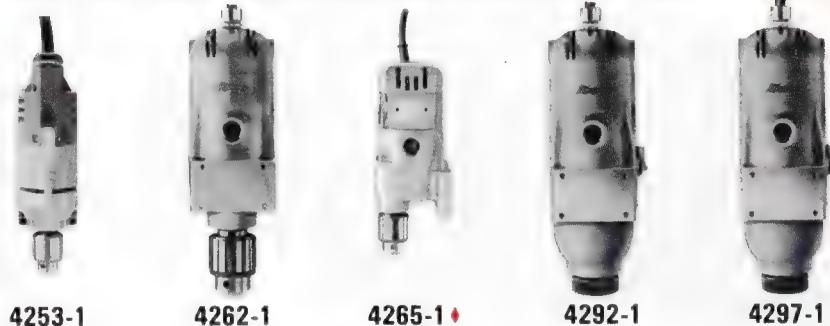
Shown with No. 4253-1 Drill Motor

120 Volts AC Only

12.5 Amps Maximum Rating with Large Drill  
Available in 240 Volt AC Only – Add -2 to Cat. No.

- 5 COMBINATIONS AVAILABLE
- 1470 LB. DRILL POINT PRESSURE MAXIMUM ON 1" STEEL PLATE §
- 9" DRILL TRAVEL

SELECT DRILL MOTOR FROM SPECIFICATION CHART TO MEET YOUR REQUIREMENTS



CLOSE CORNER DRILL

DRILL MOTOR CATALOG NUMBER	VOLTS	AMPS	CAPACITY ▲ DRILL TAP	NO LOAD RPM	CHUCK OR TAPER	REPLACE-MENT CHUCK CAT. NO.	REPLACE-MENT CHUCK KEY CAT. NO.	DRILL STAND DIMENSIONS HT. W. L.	\$ DRILL POINT PRESSURE LBS.	NET WGT. STAND ONLY LBS.	COMB. NET WGT. STAND AND DRILL LBS.	
4253-1*	120	6.2	1/2"	5/8"-18‡	600	Chuck	48-66-1360	48-66-3280	15" 4-1/4" 11"	1450	41	49
4262-1■	120	11.5	3/4"	7/8"-9	400	Chuck	48-66-2080	48-66-3160	15" 4-1/4" 11"	1470	41	60
4265-1	120	6	1/2"	5/8"-18‡	450	Chuck	48-66-1380	48-66-3280	15" 4-1/4" 11"	1275	41	52
4292-1★	120	11.5	1-1/4"	7/8"-9	750-375	No.3MT	45-34-0050	#3 TAPER	15" 4-1/4" 11"	1410	41	63
4297-1■★	120	11.5	1-1/4"	7/8"-9	500-250	No.3MT	45-34-0050	SOCKET	15" 4-1/4" 11"	1410	41	63

\* Available in 240 volt, add -3 to catalog number

★ Two speed drills.

§ Maximum pull on 1" steel plate, less on thinner sheets or irregular surfaces

• Drills except No. 4253-1 have dual mount gear case permitting reverse mounting of drill for close quarter work

‡ 5/8"-11 or 1/2"-13 taps not recommended

▲ NOTE... To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket specify Chuck and Arbor Kit No. 49-22-1550, which consists of Chuck No. 48-66-2000 and Arbor No. 48-07-0100. These motors are capable of larger capacities when using 1/2" reduced Shank Twist Drills illustrated on page 18. Refer to the instruction manual for sizes

## MOTORS AND MAGNET DRILL BASES

To Convert Drill Motors	To Fit Stands	Use Conversion Kit
4250-1▲	4201, 4202	14-46-4250
4260-1		14-46-4260
4280-1	4201, 4202, 4221, 4231	14-46-4260
4290-1		14-46-4260
4295-1		14-46-4260
4252-1▲	4200	14-46-4252
4253-1		
4262-1		14-46-4262
4282-1	4210, 4220, 4230	14-46-4262
4292-1		14-46-4262
4297-1		14-46-4262

### TYPE "A" GREASE FOR SINGLE SPEED

NO. 49-08-0500 1/2 Lb. Can

NO. 49-08-0800 1 Lb. Can

### TYPE "C" GREASE FOR TWO SPEED

NO. 49-08-1000 1 Lb. Can

### 6' LENGTH SAFETY CHAIN

No. 48-58-0080

Same as furnished with unit.  
(When ordered separately.)

**Milwaukee**

MILWAUKEE ELECTRIC TOOL CORPORATION  
CERTIFIES THAT THESE TOOLS COMPLY WITH  
O.S.H.A. REQUIREMENTS

# HEAVY-DUTY ELECTROMAGNETIC DRILL PRESS LARGE BASE

DRILL MOTOR  
NOT INCLUDED  
WITH STAND  
PURCHASE  
SEPARATELY

*Milwaukee*

## ELECTROMAGNETIC DRILL STAND

CATALOG  
NUMBER 4221 (STAND ONLY)

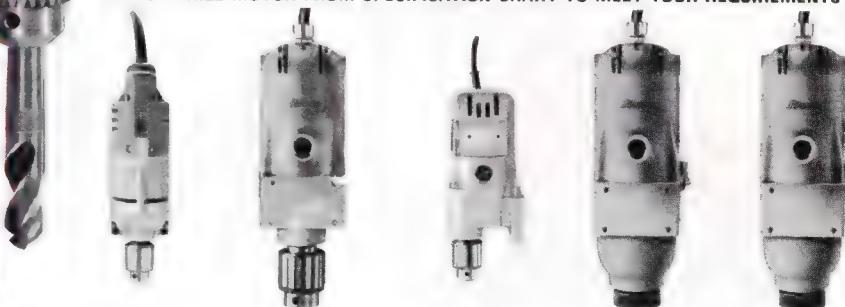
Shown with No. 4262-1 Drill Motor

120 Volts AC Only

12.5 Amps Maximum Rating with Large Drill  
Available in 240 Volt AC Only – Add -2 to Cat. No.

- 5 COMBINATIONS AVAILABLE
- 2000 LB. DRILL POINT PRESSURE  
MAXIMUM ON 1" STEEL PLATE\$
- 11" DRILL TRAVEL

SELECT DRILL MOTOR FROM SPECIFICATION CHART TO MEET YOUR REQUIREMENTS



4253-1      4262-1      4265-1      4292-1      4297-1  
CLOSE CORNER DRILL

DRILL MOTOR CATALOG NUMBER	VOLTS	AMPS	CAPACITY DRILL ▲ TAP	NO. LOAD RPM	CHUCK OR TAPER	REPLACE- MENT CHUCK CAT. NO.	REPLACE- MENT CHUCK KEY CAT. NO.	DRILL STAND DIMENSIONS HT.      W.      L.	\$ DRILL POINT PRESSURE LBS.	NET WGT. STAND ONLY LBS	COMB. NET WGT. STAND AND DRILL LBS
4253-1*	120	6.2	1/2"      5/8"-18‡	600	Chuck	48-66-1360	48-66-3280	17-1/4"      5-1/4"      14"	1975	58	65
4262-1■	120	11.5	3/4"      7/8"-9	400	Chuck	48-66-2080	48-66-3160	17-1/4"      5-1/4"      14"	2000	58	77
4265-1	120	6	1/2"      5/8"-18‡	450	Chuck	48-66-1380	48-66-3280	17-1/4"      5-1/4"      14"	1750	58	69
4292-1★	120	11.5	1-1/4"      7/8"-9	750-375	No. 3 MT	45-34-0050	#3 TAPER SOCKET	17-1/4"      5-1/4"      14"	1915	58	80
4297-1■★	120	11.5	1-1/4"      7/8"-9	500-250	No. 3 MT	45-34-0050	SOCKET	17-1/4"      5-1/4"      14"	1915	58	80

\* Available in 240 volt, add -3 to catalog number

★ Two speed drills.

§ Maximum pull on 1" steel plate, less on thinner sheets or irregular surfaces

● Drills except No. 4253-1 have dual mount gear case permitting reverse mounting of drill for close quarter work

‡ 5/8"-11 or 1/2"-13 taps not recommended

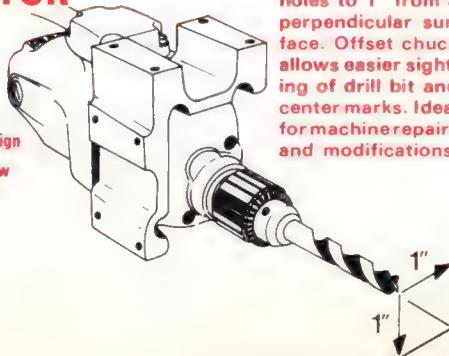
▲ NOTE... To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket specify Chuck and Arbor Kit No. 49-22-1550, which consists of Chuck No. 48-66-2000 and Arbor No. 48-07-0100. These motors are capable of larger capacities when using 1/2" reduced Shank Twist Drills illustrated on page 18. Refer to the instruction manual for sizes

### CLOSE CORNER DRILL MOTOR

CATALOG  
NUMBER

4265-1

- Lightweight compact design
- 2 mounting surfaces allow positioning for hard to reach places.



Close Corner Drill allows centering of holes to 1" from a perpendicular surface. Offset chuck allows easier sighting of drill bit and center marks. Ideal for machine repairs and modifications.

### CORD CONVERSION KITS FOR DRILL

Cord Conversion Kits are available that will permit the use of new style motors with old style bases and old style motors with new bases.

We recommend installation of Cord Conversion Kits be done at MILWAUKEE SERVICE CENTERS or AUTHORIZED SERVICE STATIONS.

▲ Adaptor plate 42-04-0580 is required to mount 4250-1 or 4252-1 drill motor to the latest magnetic drill stands with new three position slide mount.

# HEAVY-DUTY ELECTROMAGNETIC DRILL PRESS ADJUSTABLE BASE



## ELECTROMAGNETIC DRILL STAND

CATALOG NUMBER **4231** (STAND ONLY)

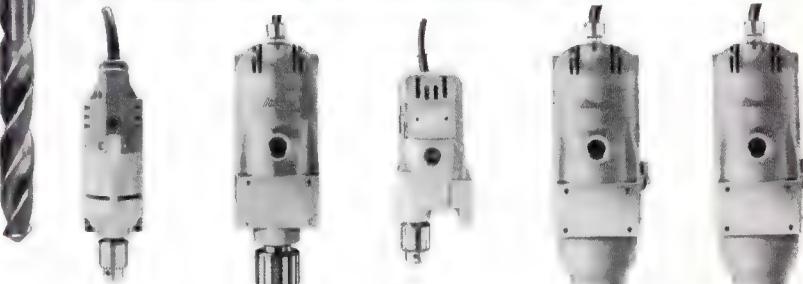
Shown with No. 4292-1 Drill Motor

120 Volts AC Only

12.5 Amps Maximum Rating with Large Drill  
Available in 240 Volt AC Only – Add -2 to Cat. No.

- **5 COMBINATIONS AVAILABLE**
- **2000 LB. DRILL POINT PRESSURE MAXIMUM ON 1" STEEL PLATE§**
- **11" DRILL TRAVEL**
- **ADJUSTABLE FOR 3/4" LATERAL MOVEMENT AND 20° SWIVEL LEFT OR RIGHT**

SELECT DRILL MOTOR FROM SPECIFICATION CHART TO MEET YOUR REQUIREMENTS



**4253-1**

**4262-1**

**4265-1**

**4292-1**

**4297-1**

**CLOSE CORNER DRILL**

DRILL MOTOR CATALOG NUMBER	VOLTS	AMPS	CAPACITY▲ DRILL	TAP	NO LOAD RPM	CHUCK OR TAPER	REPLACE-MENT CHUCK CAT. NO.	REPLACE-MENT CHUCK KEY CAT. NO.	DRILL STAND DIMENSIONS HT. W. L.	\$ DRILL POINT PRESSURE LBS.	NET WGT. STAND ONLY LBS.	COMB NET WGT STAND AND DRILL LBS
4253-1*	120	6.2	1/2"	5/8"-18‡	600	Chuck	48-66-1360	48-66-3280	17-1/4" 5-1/4" 14"	1975	60	67
4262-1■	120	11.5	3/4"	7/8"-9	400	Chuck	48-66-2080	48-66-3160	17-1/4" 5-1/4" 14"	2000	60	79
4265-1	120	6	1/2"	5/8"-18‡	450	Chuck	48-66-1380	48-66-3280	17-1/4" 5-1/4" 14"	1750	60	71
4292-1★	120	11.5	1-1/4"	7/8"-9	750-375	No. 3MT	45-34-0050	#3 TAPER SOCKET	17-1/4" 5-1/4" 14"	1915	60	82
4297-1■★	120	11.5	1-1/4"	7/8"-9	500-250	No. 3MT	45-34-0050	48-66-2000	17-1/4" 5-1/4" 14"	1915	60	82

■ Available in 240 volt, add -3 to catalog number

★ Two speed drills

§ Maximum pull on 1" steel plate, less on thinner sheets or irregular surfaces

● Drills except No. 4253-1 have dual mount gear case permitting reverse mounting of drill for close quarter work

‡ 5/8"-11 or 1/2"-13 taps not recommended

▲ NOTE... To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket specify Chuck and Arbor Kit No. 49-22-1550, which consists of Chuck No. 48-66-2000 and Arbor No. 48-07-0100. These motors are capable of larger capacities when using 1/2" reduced Shank Twist Drills illustrated on page 18. Refer to the instruction manual for sizes

## MOTORS AND MAGNET DRILL BASES

To Convert Drill Motors	To Fit Stands	Use Conversion Kit
4250-1▲	4201, 4202	14-46-4250
4260-1		14-46-4260
4280-1	4201, 4202, 4221, 4231	14-46-4260
4290-1		14-46-4260
4295-1		14-46-4260
4252-1▲	4200	14-46-4252
4253-1		
4262-1		14-46-4262
4282-1	4210, 4220, 4230	14-46-4262
4292-1		14-46-4262
4297-1		14-46-4262

### TYPE "A" GREASE FOR SINGLE SPEED

NO. 49-08-0500 1/2 Lb. Can

NO. 49-08-0800 1 Lb. Can

### TYPE "C" GREASE FOR TWO SPEED

NO. 49-08-1000 1 Lb. Can

### 6' LENGTH SAFETY CHAIN

NO. 48-58-0080

Same as furnished with unit.  
(When ordered separately.)

**Milwaukee**

MILWAUKEE ELECTRIC TOOL CORPORATION  
CERTIFIES THAT THESE TOOLS COMPLY WITH  
O.S.H.A. REQUIREMENTS

# HEAVY-DUTY VACUUM CLEANERS

## OUTSTANDING FEATURES

- POSITIVE WATER SHUT-OFF** — On wet/dry machines protects motor from direct exposure to water.
- HEAVY-DUTY FILTER SYSTEM** — For the roughest coarse materials to the finest dust.
- USE AS BLOWER** — Switch hose from intake to exhaust, for cleaning inaccessible areas.



## VACUUM MOTOR DESIGN

Centrifugal blower produces high efficient vacuum and air flow. Models 8911, 8912, 8916, 8925, 8935, 8940, and 8945 have a two-stage bypass motor for wet/dry operation. The 8950 and 8955 have a one-stage bypass motor for wet/dry operation. They provide discharge of vacuum air from the fan case with a separate system for motor cooling. Clean air is drawn into top of motor and discharged through motor housing vents protecting motor from direct exposure to moisture.

**NO. 8925**

Stainless 16" Dia.



**NO. 8912**

Steel 16" Dia.



**NO. 8916**

Stainless 16" Dia.



**NO. 8911**

Steel 16" Dia.



**NO. 8935**

Steel 14" Dia.



## GENERAL SPECIFICATIONS

All models are equipped with 1-1/2" O.D. hose connections, cord with 3-prong grounded plug, 3 vinyl covered hold-down clamps and 4-wheel caddie with non-marring wheels.

CAT. NO.	FOR MATERIALS	RECOV. CAP. GAL.	BU.	TANK	VOLTS	AMPS	MOTOR TYPE	MAX. AIR FLOW CU. FT./MIN.	SEALED SUCTION IN WATER	OVERALL DIMENSIONS WIDTH	HEIGHT	NET WGT. (LBS.)	SHP. WGT. (LBS.)
8925	WET or DRY	15	2	STAINLESS	120	10	2-Stage Bypass Motor	110	105"	19"	36"	53	73
8912	WET or DRY	9	1-1/2	STEEL	120	10	2-Stage Bypass Motor	110	105"	19"	32"	49	68
8916	WET or DRY	9	1-1/2	STAINLESS	120	7	2-Stage Bypass Motor	92	85"	19"	32"	47	65
8911	WET or DRY	9	1-1/2	STEEL	120	7	2-Stage Bypass Motor	92	85"	19"	32"	48	67
8935	WET or DRY	4-1/2	3/4	STEEL	120	7	2-Stage Bypass Motor	92	85"	17"	28"	35	45

## STANDARD EQUIPMENT

FOR MODEL 8925 — Three paper filter bags, cloth filter, gasket and wire frame assembly, wet pick-up conversion pan, swivel connector and canvas store-all tool bag.

FOR MODEL 8912 — Three paper filter bags, cloth filter, gasket and wire frame assembly, wet pick-up conversion pan, swivel connector and canvas store-all tool bag.

FOR MODEL 8916 — Three paper filter bags, cloth filter, gasket and wire frame assembly, wet pick-up conversion pan, swivel connector and canvas store-all tool bag.

FOR MODEL 8911 — Three paper filter bags, cloth filter, gasket and wire frame assembly, wet pick-up conversion pan, swivel connector and canvas store-all tool bag.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

FOR MODEL 8935 — Three paper filter bags, wet pick-up pan, cloth filter, gasket, wire frame assembly, swivel connector, and wire hose carrier.

## VACUUM CLEANER ACCESSORIES

### WET AND DRY CLEANING KIT 49-90-1670



**WET AND DRY CLEANING KIT NO. 49-90-1670** A complete kit of accessories for the maintenance department. Kit consists of 1 each of the following: 49-90-0060, 10 ft. hose; 49-90-0550, major floor tool; 49-90-0580, squeegee shoe; 49-90-0400, 15" crevice tool; 49-90-0600, 14" carpet insert; 49-90-0740, utility nozzle; 49-90-1000, double bend floor rod.

### FURNACE CLEANING KIT 49-90-1650



**FURNACE CLEANING KIT NO. 49-90-1650** All accessories needed for cleaning furnaces. Kit includes 1 each of the following: 49-90-0020, 10 ft. hose; 49-90-0080, 6 ft. metal hose; 49-90-0410, 27" crevice tool; 49-90-0460, rubber blower nozzle; 49-90-0740, utility nozzle.

**SEE PAGES 32 AND 33  
FOR HAND BLOWER,  
COMPLETE VACUUM ACCESSORIES,  
ALSO MOTOR HEADS AND  
DRUM ADAPTER ASSEMBLY**



### VACUUM MOTOR DESIGN

Models 8921 and 8931 have a straight-thru motor for dry pick-up. Filters remove dirt from air before reaching the motor. Filtered air is drawn from tank...directed over electrical motor parts for cool efficient operation.

**NO. 8921**  
Steel 16" Dia.



**NO. 8931**  
Steel 14" Dia.



**NO. 8950**  
Steel 14" Dia.



### WET/DRY VACUUM

**NO. 8955**  
Steel 14" Dia.

**121 CFM\***

\* Maximum Air Flow Cu. Ft./Min.  
with 1-1/2" Hose.

- **POWERFUL**
- **LIGHTWEIGHT**
- **DUAL FILTERS**
- **EASY TO OPERATE**

### GENERAL SPECIFICATIONS

All models are equipped with 1-1/2" O.D. hose connections, cord with 3-prong grounded plug, 3 vinyl covered hold-down clamps and (Except for model 8950) caddie with non-marring wheels.

CAT. NO.	FOR MATERIALS	RECOV. CAP. GAL.	TANK	VOLTS	AMPS	MOTOR TYPE	MAX. AIR FLOW CU. FT./MIN.	SEALED SUCTION IN WATER	OVERALL DIMENSIONS WIDTH	HEIGHT	NET WGT. (LBS.)	SHP. WGT. (LBS.)	
8921	DRY ONLY	--	1-1/2	STEEL	120	7	Straight-Thru Motor	95	87"	19"	32"	42	59
8931	DRY ONLY	--	1/2	STEEL	120	7	Straight-Thru Motor	95	87"	17"	25"	29	36
8950	WET or DRY	8	7/8	STEEL	120AC, 60 Hz	6	1-Stage Bypass Motor	121	50"	16-3/4"	22-1/2"	18	25
8955	WET or DRY	10	1-1/8	STEEL	120AC, 60 Hz	6	1-Stage Bypass Motor	121	50"	19-1/2"	38-1/2"	32	44

MILWAUKEE ELECTRIC TOOL CORPORATION  
CERTIFIES THAT THESE TOOLS COMPLY  
WITH O.S.H.A. REQUIREMENTS

### STANDARD EQUIPMENT

FOR MODEL 8921 — Three paper filter bags, cloth filter, gasket, wire frame assembly and swivel connector. Canvas store-all tool bag.

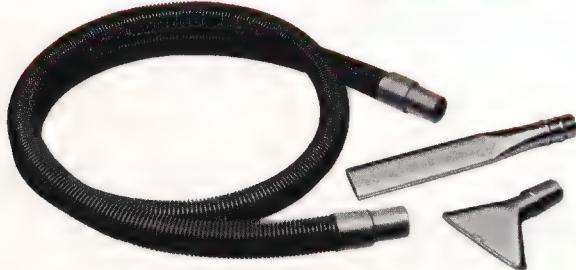
FOR MODEL 8931 — Three paper filter bags, cloth filter, gasket, wire frame assembly, swivel connector and hose carrier.

FOR MODEL 8950 — 7 ft. 1-1/2" I.D. vinyl hose, hose adaptor, cloth filter assembly and foam filter sleeve.

FOR MODEL 8955 — 7 ft. 1-1/2" I.D. vinyl hose, hose adaptor, cloth filter assembly, foam filter sleeve and 3 wheel dolly.

**FOR CURRENT MODELS, ALSO FOR PREVIOUS MODELS 8910, 8915, 8930**

**AUTOMOTIVE KIT**  
**49-90-1660**



**AUTOMOTIVE KIT NO. 49-90-1660** A kit especially designed for garages doing automotive work. Kit consists of 1 each of the following: 49-90-0060, 10 ft. hose; 49-90-0400, 15" crevice tool; 49-90-0740, utility nozzle.

**VACUUM ACCESSORY KIT**  
**49-90-1800**



**VACUUM ACCESSORY KIT NO. 49-90-1800** An array of accessories specifically for general cleanup applications. Kit consists of 1 each of the following: 49-90-1765, wand; 49-90-1770, crevice tool; 49-90-1775, 6" nozzle; 49-90-1785, 14" squeegee shoe; 49-90-1790, 14" rug shoe; 49-90-1780, master nozzle.

# HEAVY-DUTY VACUUM CLEANER ACCESSORIES

## MOTOR HEADS AND DRUM ADAPTER ASSEMBLY



**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS**



### ① MOTOR HEAD ONLY NO. 8940

The same powerful Motor Head as furnished with Models 8911 and 8916 with 30' of cord. Requires use of 16" dia. Conversion Pan for wet pickup. Wire Frame Filter Cage, Cloth Filter and Gasket assembly and 16" Dacron Filter Bag required for dry pickup. Order these and all other accessories separately. Unit includes a swivel end connector, Catalog No. 49-90-0150. Net Weight 14 lbs., Shipping Weight 16 lbs.

### ② MOTOR HEAD ONLY NO. 8945

More powerful motor head adapts to all 16" diameter, 9 gallon units and larger for extra-duty applications. Same as furnished with models 8912 and 8925. Maximum air flow is 110 Cu. Ft./Min. with sealed suction water lift of 105". Unit comes with a 30' cord and requires the use of 16" diameter conversion pan for wet pickup. Wire frame filter cage, cloth filter, and gasket assembly and 16" dacron filter bag required for dry pickup. Order these and all accessories separately. Unit includes a swivel end connector, Catalog No. 49-90-0150. Net Wgt. 15 lbs., Shipping Wgt. 17 lbs.

### ③ DRUM ADAPTER NO. 49-90-1590

Fits your 55 Gal. drum. Gasket secures tightly to drum when vacuum is in operation. Adaptable to Motor Head 8940 and 8945 and those on Nos. 8911, 8912, 8916, 8921, and 8925. Use 16" dia. accessories. Net Weight 10 lbs., Shipping Weight 11 lbs.

### ④ DOLLY NO. 49-90-1100

For 55 gal. drum. Sturdy steel construction with 4 wheels and long hinged handle. Drum easily tips off or on. Net Weight 43 lbs., Shipping Weight 45 lbs.

## WIRE FRAME FILTER CAGE, CLOTH FILTER AND GASKET ASSEMBLY

Available for both 14" and 16" dia. tanks. The filter assembly acts as a final filter for air leaving tank. To achieve the best possible results, the cloth filter gasket and wire frame must be maintained. Any wear holes or gasket leaks will allow dust and debris to blow through exhaust ports.



### WET PICK-UP CONVERSION PANS NO. 49-90-1620

Wet Pick-Up Conversion Pan 14" Dia.  
(Standard on Model 8935 Only)

### NO. 49-90-1610

Wet Pick-Up Conversion Pan 16" Dia.  
(Standard on Models 8911, 8912, 8916 and 8925)



### DISPOSABLE PAPER FILTER BAGS

Flame-resistant paper filter bags.

### NO. 49-90-0311

14" Dia. Vacuum Cleaner (5 Pack)

### NO. 49-90-0301

16" Dia. Vacuum Cleaner  
(5 Pack)

### NO. 49-90-0350

16" Dia. Vacuum Cleaner (5 Pack)  
for use with 8925 ONLY.

### DISPOSABLE PAPER FILTER BAGS

### NO. 49-90-0331 (5 pack)

Fits all 14" and 16" Vacuum Cleaners, quick and easy to install on vacuum tank. Ideally suited for use when vacuuming extremely fine dust directly into vacuum tank.

### DACRON FILTER

### NO. 49-90-0320

Fits 14" and 16" dia. tanks. The dacron bag is suited for pick-up of medium fine dust as well as coarse sharp material. To be used without paper filter bags. Fits over cloth filter assembly

### CLOTH FILTER

### ASSEMBLY

For 8950 and 8955

### NO. 49-90-0285

### FOAM FILTER SLEEVE

Motor Filter for

8950 and 8955

### NO. 49-90-0770



### ASBESTOS PICK-UP KIT

### NO. 49-90-1680

For use with Model 8950 only.

Meets O.S.H.A. requirements to filter asbestos fibers as small as 5 micrometers in size. Use for automotive brake and clutch work as well as other asbestos contaminated materials. Kit includes 2 Filter Bags, Cartridge Filter and Respirator

### ASBESTOS PICK-UP FILTER KIT

### NO. 49-90-1690

For use with Model 8950 only.

2 Replacement Filter Bags and Respirator for  
Kit No. 49-90-1680

### ASBESTOS PICK-UP CARTRIDGE FILTER

### NO. 49-90-1700

For use with Model 8950 only.

Replacement Cartridge for Asbestos Pick-Up Kit No. 49-90-1680



### FOAM FILTER SLEEVE

Motor Filter for

8950 and 8955

### NO. 49-90-0770

**MOTOR HEADS AND DRUM ADAPTER ASSEMBLY**

### ① MOTOR HEAD ONLY NO. 8940

More powerful motor head adapts to all 16" diameter, 9 gallon units and larger for extra-duty applications. Same as furnished with models 8912 and 8925. Maximum air flow is 110 Cu. Ft./Min. with sealed suction water lift of 105". Unit comes with a 30' cord and requires the use of 16" diameter conversion pan for wet pickup. Wire frame filter cage, cloth filter, and gasket assembly and 16" dacron filter bag required for dry pickup. Order these and all accessories separately. Unit includes a swivel end connector, Catalog No. 49-90-0150. Net Wgt. 15 lbs., Shipping Wgt. 17 lbs.

### ② MOTOR HEAD ONLY NO. 8945

More powerful motor head adapts to all 16" diameter, 9 gallon units and larger for extra-duty applications. Same as furnished with models 8912 and 8925. Maximum air flow is 110 Cu. Ft./Min. with sealed suction water lift of 105". Unit comes with a 30' cord and requires the use of 16" diameter conversion pan for wet pickup. Wire frame filter cage, cloth filter, and gasket assembly and 16" dacron filter bag required for dry pickup. Order these and all accessories separately. Unit includes a swivel end connector, Catalog No. 49-90-0150. Net Wgt. 15 lbs., Shipping Wgt. 17 lbs.

### ③ DRUM ADAPTER NO. 49-90-1590

Fits your 55 Gal. drum. Gasket secures tightly to drum when vacuum is in operation. Adaptable to Motor Head 8940 and 8945 and those on Nos. 8911, 8912, 8916, 8921, and 8925. Use 16" dia. accessories. Net Weight 10 lbs., Shipping Weight 11 lbs.

### ④ DOLLY NO. 49-90-1100

For 55 gal. drum. Sturdy steel construction with 4 wheels and long hinged handle. Drum easily tips off or on. Net Weight 43 lbs., Shipping Weight 45 lbs.



### NO. 49-90-0290

Wire Frame Filter Cage 14" Dia.

### NO. 49-90-0270

Wire Frame Filter Cage 16" Dia.

### NO. 49-90-0280

Cloth Filter and Gasket 14" Dia.

### NO. 49-90-0260

Cloth Filter and Gasket 16" Dia.

## DOUBLE BEND FLOOR ROD

### NO. 49-90-1000

Built-in swivel connection adapts to 1-1/2" I.D. hose, with compression fitting that accommodates all floor tools. Made of chrome-plated steel.

### MAJOR FLOOR TOOL NO. 49-90-0550

Major Floor Tool with two "quick turn" thumb screws for quick tool changing. Accommodates interchangeable 14" and 20" inserts and replacements. Supplied with 49-90-0610 bumper.

### 14" REPLACEMENT BUMPER FOR MAJOR FLOOR TOOL NO. 49-90-0610



### 14" BRISTLE SHOD SHOE

### NO. 49-90-0560

### 20" BRISTLE SHOD SHOE

### NO. 49-90-1750

For Major Floor Tool. For rough floors, large wall and ceiling areas.

### 14" REPLACEMENT BRUSH STRIPS (2) NO. 49-90-0630

### 20" REPLACEMENT BRUSH STRIPS (2) NO. 49-90-1751



### 14" SQUEEGEE SHOE NO. 49-90-0580

### 20" SQUEEGEE SHOE NO. 49-90-1720

Use with Major Floor Tool. For fast drying of washed floors.

### 14" REPLACEMENT SQUEEGEE BLADES (4) NO. 49-90-0640

### 20" REPLACEMENT SQUEEGEE BLADES (4) NO. 49-90-1721



### 14" CARPET INSERT NO. 49-90-0600

### 20" CARPET INSERT NO. 49-90-1710

For Major Floor Tool. Bottom plate perfectly designed for cleaning rugs, carpeting.



### 14" FABRIC SHOD ATTACHMENT SHOE NO. 49-90-0570

### 20" FABRIC SHOD ATTACHMENT SHOE NO. 49-90-1730

Use with Major Floor Tool. Suited for cleaning cement and concrete floors.

### 14" REPLACEMENT FABRIC STRIPS (2) NO. 49-90-0620

### 20" REPLACEMENT FABRIC STRIPS (2) NO. 49-90-1731



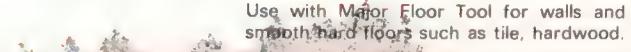
### 14" FELT SHOD ATTACHMENT SHOE NO. 49-90-0590

### 20" FELT SHOD ATTACHMENT SHOE NO. 49-90-1740

Use with Major Floor Tool for walls and smooth hard floors such as tile, hardwood.

### 14" REPLACEMENT FELT BLADES (2) NO. 49-90-0650

### 20" REPLACEMENT FELT BLADES (2) NO. 49-90-1741



# HEAVY-DUTY HAND BLOWER POWERFUL AIR DISPLACEMENT

The MILWAUKEE Hand Blower is designed for heavy-duty operation. Blower directs powerful stream of air into hard-to-reach places. Rubber directional nozzle will not damage delicate machine parts. Handy thumb switch and long cord (18'-3', 30') permit one hand operation over a wide area. An ideal tool for fast cleaning and reducing maintenance time and cost.

- 60 CUBIC FEET PER MIN.
- 3 LBS. PER SQ. IN.
- NO. 8970



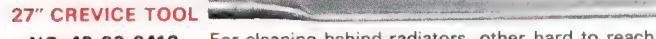
120 Volts 8 Amps  
Net Wgt. 8 lbs. THIS TOOL COMPLIES WITH  
Shp. Wgt. 10 lbs. O.S.H.A. REQUIREMENTS

# HEAVY-DUTY VACUUM CLEANER ACCESSORIES

FOR CURRENT MODELS ON PAGES 30 AND 31, ALSO FOR PREVIOUS MODELS 8910, 8915 AND 8930



15" CREVICE TOOL NO. 49-90-0400



27" CREVICE TOOL NO. 49-90-0410 For cleaning behind radiators, other hard to reach corners and crevices.



SHAG RUG ATTACHMENT NO. 49-90-0800

For Major Floor Tool. Effective deep cleaning of shag rug pile.



WIDE MOUTH GULPER NO. 49-90-0540

Ideal for use on bare floors or rugs 12" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.



UTILITY NOZZLE NO. 49-90-0740

Taper fit utility and upholstery nozzle. Fits 1-1/2" ID hose. 6" cleaning path.



NYLON BRISTLE BRUSH NO. 49-90-0760

Heavy-duty cast aluminum, wide mouth nozzle. 10" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.



HORSE HAIR BRUSH NO. 49-90-0750

Heavy-duty cast aluminum, wide mouth nozzle. 10" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.

\*

HORSE HAIR BRUSH INSERT REPLACEMENT NO. 49-90-0700



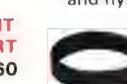
3" ROUND DUST BRUSH NO. 49-90-0730

3" round dust brush with nylon bristles. Fits 1-1/2" ID hose.



REPLACEMENT BRUSH INSERT NO. 49-90-0660

Replacement for round dust brush.



\*

REPLACEMENT BUMPER NO. 49-90-0690

For nylon bristle brush.



PLASTIC BUMPER NO. 49-90-0720

Replacement for horse hair and nylon bristle brushes.

\*

BUMPER NO. 49-90-0670

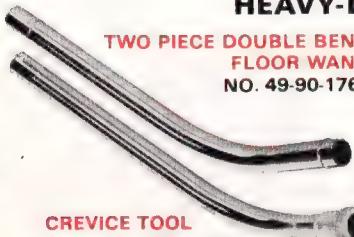
For round dust brush.



VACUUM CLEANER DOLLY NO. 49-90-1150

For use with Model 8950 ONLY

## HEAVY-DUTY ACCESSORIES FOR VACUUMS NOS. 8950 AND 8955 ONLY

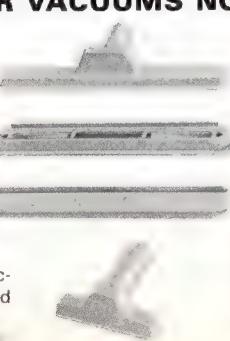


TWO PIECE DOUBLE BEND FLOOR WAND NO. 49-90-1765

Two piece construction for easy storage. Adapts to all Milwaukee 1-1/2" I.D. hose. Compression fit connector accommodates Master Nozzle No. 49-90-1780, 6" Utility Nozzle No. 49-90-1775 and Crevice Tool No. 49-90-1770. Made of chrome-plated steel.

CREVISE TOOL NO. 49-90-1770

Economical, high impact, durable plastic construction. Ideal for cleaning around equipment, behind radiators, hard to reach corners and crevices.



14" MASTER NOZZLE NO. 49-90-1780

Economical, high impact, durable plastic construction. Master Nozzle with snap lock feature for use with rug shoe and squeegee shoe listed below.

14" RUG SHOE NO. 49-90-1790

For use with Master Nozzle No. 49-90-1780. Ideal for cleaning rugs and carpets.

14" SQUEEGEE SHOE NO. 49-90-1785

For use with Master Nozzle No. 49-90-1780. For fast drying of wet floors.

6" UTILITY NOZZLE NO. 49-90-1775

Economical, high impact, durable plastic construction. Fits 1-1/2" I.D. hose for upholstery cleaning and other small jobs.



CANVAS STORE-ALL TOOL POUCH NO. 49-90-0250

For Models 8911, 8912, 8916 and 8921 Strong durable vinyl covered canvas pouch makes totting extra tools easy.

**Milwaukee**

# HEAVY-DUTY HAMMER-DRILLS

## 2 MODELS

SINGLE SPEED  
2500 RPM

TRIGGER SPEED CONTROL  
0 to 2500 RPM

COMPACT • LIGHTWEIGHT • IDEAL FOR OVERHEAD DRILLING



Designed for fast percussion drilling in concrete or masonry and high speed drilling without hammering in wood or metal. When hammer-drilling, light pressure against work engages mechanism. Hammer action stops when not under load... prevents damage when idling.

- Powerful 4.5 amp motors.
- Drills 11/64" to 9/16" Anchor Holes in concrete, 1/4" in steel and 1/2" in wood.
- Trigger Speed Control model provides speeds of 0 to 2500 RPM for maximum control and accuracy. Prevents bit walking when starting holes in tile and ceramics at low speed. Depress trigger for higher speeds.



Available  
In Kit Form  
With Steel  
Carrying Case

## EXCLUSIVE

Lockable slide-shift action of fluted collar for fast, easy change from hammering with rotation to rotation only. Shift forward and turn in either direction to lock for drilling wood or metal. Return to center and retract for percussion drilling in concrete or masonry.

- ① Rubber dust shield over chuck in front of fluted collar protects against harmful abrasive dust.
- ② Depth gauge quickly adjusts to any drilling depth required for anchors.
- ③ Side handle for ease in handling... removable for close quarter work.

## BALL AND ROLLER BEARINGS

CATALOG NUMBER	TYPE	VOLTS	AMPS	BLOWS PER MIN.	NO LOAD RPM	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
5390 Tool Only	Single Speed	120 AC	4.5	50,000	2,500	11	4-1/2	7
5395 Kit	Single Speed	120 AC	4.5	50,000	2,500	11	4-1/2	15
5392 Tool Only	Speed Control	120 AC Only	4.5	0-50,000	0-2,500	11	4-1/2	7
5397 Kit	Speed Control	120 AC Only	4.5	0-50,000	0-2,500	11	4-1/2	15

\* Available in 240 Volts AC. Add -2 after Catalog Number when ordering. See price sheet.

## STANDARD EQUIPMENT

TOOL ONLY includes Hammer-Drill, depth gauge, removable side handle, rubber dust shield, special 3/8" industrial, geared, key-type chuck and chuck key with holder.

KIT. Same as Tool Only. Also includes 3/16" x 3", 1/4" x 4", 3/8" x 4" and 1/2" x 6" percussion carbide-tip bits and steel carrying case.

## MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

3/8" SPECIAL CHUCK NO. 48-66-0810 Industrial, key type, 3-jaw chuck with 3/8-24 thread for use with Milwaukee Hammer-Drill. Includes Chuck Key No. 48-66-3240.

- |                |                                  |
|----------------|----------------------------------|
| NO. 49-62-0090 | RUBBER DUST SHIELD               |
| NO. 48-55-0710 | STEEL CARRYING CASE              |
| NO. 48-66-4040 | RUBBER-FLEX KEY HOLDER           |
| NO. 49-08-0500 | 1/2 LB. CAN "A" GREASE For Gears |
| NO. 49-08-0800 | 1 LB. CAN "A" GREASE For Gears   |
| NO. 49-08-0150 | 3 OZ. LUBRICANT FOR MECHANISM    |

## PERCUSSION CARBIDE-TIP BITS For drilling concrete and masonry



These Carbide-Tip Bits are especially made with round shanks for use with Hammer-Drills. Alloy steel shanks and bodies for durability and long life. Highest quality carbide tips brazed to steel bodies resist dulling, stay sharp longer and can be resharpened often. Wide spiral with shallow oval flutes removes dust fast to assure maximum drilling efficiency.

NOTE: Bits 11/64" thru 9/16" dia. are for use with Milwaukee Hammer-Drill with 3/8" chuck. All bits can be used with other Hammer-Drills depending upon chuck capacity. See shank dia. column. Hammer-Drills Nos. 5388, 5389, 5398 and 5399 on page 35 are recommended for bits larger than 9/16".

BIT DIA. INS.	CATALOG NUMBER	SHANK DIA. INS.	OVERALL LGTH. INS.	BIT DIA. INS.	CATALOG NUMBER	SHANK DIA. INS.	OVERALL LGTH. INS.
11/64	48-20-6170	11/64	3	3/8	48-20-6382	5/16	13-1/2
3/16	48-20-6180	3/16	3	7/16	48-20-6440	3/8	6
7/32	48-20-6220	3/16	3	15/32	48-20-6470	3/8	6
1/4	48-20-6250	1/4	4	17/32	48-20-6500	3/8	6
1/4	48-20-6251	1/4	6	17/32	48-20-6501	3/8	13-1/2
9/32	48-20-6280	17/64	4	9/16	48-20-6560	3/8	6
5/16	48-20-6310	17/64	4	5/8	48-20-6620	1/2	6
5/16	48-20-6311	17/64	6	11/16	48-20-6690	1/2	6
3/8	48-20-6380	5/16	4	3/4	48-20-6750	1/2	6
3/8	48-20-6381	5/16	6	7/8	48-20-6880	1/2	6

# HEAVY-DUTY HAMMER-DRILL

## DOUBLE INSULATED MODELS

NO. 5388

NO. 5389 KIT

## GROUNDED MODELS

NO. 5398

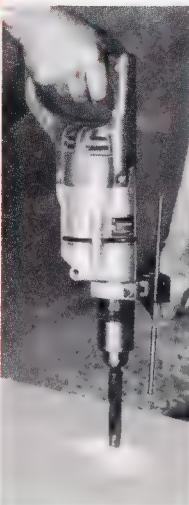
NO. 5399 KIT

**FOR PERCUSSION CARBIDE-BIT DRILLING IN CONCRETE AND MASONRY AND DRILLING WITHOUT HAMMERING IN WOOD OR METAL**

- 19,000 BLOWS PER MIN.
- POWERFUL MILWAUKEE-BUILT MOTOR
- ALL BALL AND ROLLER BEARING
- NO HOURLY OR DAILY OILING—GREASE PERIODICALLY DEPENDING ON AMOUNT OF USE



HAMMER—  
DRILL UP TO  
7/8" HOLES  
IN CONCRETE  
OR MASONRY



- ADJUSTABLE SIDE HANDLE FOR MAXIMUM CONTROL
- DEPTH ROD EASILY ADJUSTED BY LOOSENING SIDE HANDLE

## HAMMER-DRILL KITS

NO. 5389 DOUBLE INSULATED  
NO. 5399 GROUNDED

Kits contain Hammer-Drill plus Depth Rod, Side Handle and Chuck Key in a Heavy Gauge Steel Case with a Partitioned Lift-out Tray.



*Milwaukee*

STEEL CARRYING CASE ONLY

NO. 48-55-0731

TYPE "A" GREASE

1/2 Lb. Can

NO. 49-08-0500

1 Lb. Can

NO. 49-08-0800

## 1/2" CHUCK CAPACITY

CATALOG NUMBER	VOLTS	AMPS	BLOWS PER MIN.	NO LOAD RPM	CAPACITIES										
					DRILL ONLY				HAMMER						
					WOOD		STEEL		MASONRY		CARBIDE TIP BIT	LENGTH			
					FLAT BORING BITS	HOLE SAW	AUGER BITS	SHIP AUGER BITS	TWIST DRILL	SOFT	HARD				
5388 •	120	6.2	19,000	950	1-1/2"	3-1/2"	1"	1-1/8"	1-1/2"	1/2"	7/8"	5/8"	15-1/2"	7-1/2"	9
5389 KIT •	120	6.2	19,000	950	1-1/2"	3-1/2"	1"	1-1/8"	1-1/2"	1/2"	7/8"	5/8"	15-1/2"	17	18
5398 ★	120	6.2	19,000	950	1-1/2"	3-1/2"	1"	1-1/8"	1-1/2"	1/2"	7/8"	5/8"	15-1/2"	7-1/2"	9
5399 KIT	120	6.2	19,000	950	1-1/2"	3-1/2"	1"	1-1/8"	1-1/2"	1/2"	7/8"	5/8"	15-1/2"	17	18

STANDARD EQUIPMENT: Depth Rod, Side Handle and Chuck Key No. 48-66-3280.

★ Available in 240 Volts AC Add -2 after Catalog Number when ordering. See price sheet

• Double Insulated.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## PERCUSSION CARBIDE-TIP BITS For drilling concrete and masonry



These Carbide-Tip Bits are especially made with round shanks for use with Hammer-Drills. Alloy steel shanks and bodies for durability and long life. Highest quality carbide tips brazed to steel bodies resist dulling, stay sharp longer and can be resharpened often. Wide spiral with shallow oval flutes removes dust fast to assure maximum drilling efficiency.

BIT DIA. INS.	CATALOG NUMBER	SHANK DIA. INS.	OVERALL LGTH. INS.	BIT DIA. INS.	CATALOG NUMBER	SHANK DIA. INS.	OVERALL LGTH. INS.
11/64	48-20-6170	11/64	3	3/8	48-20-6382	5/16	13-1/2
3/16	48-20-6180	3/16	3	7/16	48-20-6440	3/8	6
7/32	48-20-6220	3/16	3	15/32	48-20-6470	3/8	6
1/4	48-20-6250	1/4	4	1/2	48-20-6500	3/8	6
1/4	48-20-6251	1/4	6	1/2	48-20-6501	3/8	13-1/2
9/32	48-20-6280	17/64	4	9/16	48-20-6560	3/8	6
5/16	48-20-6310	17/64	4	5/8	48-20-6620	1/2	6
5/16	48-20-6311	17/64	6	11/16	48-20-6690	1/2	6
3/8	48-20-6380	5/16	4	3/4	48-20-6750	1/2	6
3/8	48-20-6381	5/16	6	7/8	48-20-6880	1/2	6

## HEAVY-DUTY 3/4" HAMMER

For drilling holes in concrete and masonry for conduit, anchors and expansion shields • Chipping • Channeling • Scaling • Chiseling and Tuck Pointing.

- BALL AND ROLLER BEARINGS
- 3000 BLOWS PER MIN.
- GLASS REINFORCED NYLON HANDLE
- LIGHTWEIGHT 11 LBS.



**STEEL CARRYING CASE AS FURNISHED WITH NO. 5382**

**STEEL CARRYING CASE ONLY NO. 48-55-0571**

- HAMMER BLOW is forward only, with a patented cushioned recoil mechanism to eliminate jolting action
- HANDLES A WIDE RANGE of Star Drills, Tooth Anchors, Chisels and Bull Point

### NO. 5382 ELECTRIC HAMMER KIT

Includes 3/4" Electric Hammer with star drill chuck, drift pin, tool retaining spring for chisels, one each bull point, cold chisel, brick cleaning chisel and mortar cutting chisel, eight assorted star drills 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4" and 7/8" sizes, grease gun, grease and steel carrying case.

CATALOG NUMBER	KIT	MAX STAR DRILL CAPACITY	VOLTS	AMPS	BLOWS PER MIN.	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
5382	COMPLETE	1-1/8"	120	4.5	3000	18"	11	30

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## 3/4" HEAVY-DUTY HAMMER ACCESSORIES

### STAR DRILLS

CATALOG NUMBER	DESCRIPTION
48-88-0251	1/4" x 6"
48-88-0252	1/4" x 12"
48-88-0310	5/16" x 6"
48-88-0311	5/16" x 12"
48-88-0370	3/8" x 6"
48-88-0371	3/8" x 12"
48-88-0430	7/16" x 6"
48-88-0500	1/2" x 6"
48-88-0501	1/2" x 12"
48-88-0620	5/8" x 6"
48-88-0621	5/8" x 12"
48-88-0750	3/4" x 6"
48-88-0751	3/4" x 12"
48-88-0870	7/8" x 6"
48-88-0871	7/8" x 12"
48-88-1000	1" x 6"
48-88-1001	1" x 12"
48-88-1120	1-1/8" x 6"

### BULL POINT



**NO. 48-62-0060  
5/8" x 12"**

### CHISELS



**NO. 48-62-0070  
5/8" x 7" Cold Chisel**



**NO. 48-62-0050  
5/8" x 12" Cold Chisel**



**NO. 48-62-0080  
Brick Cleaning Chisel**

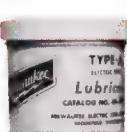


**NO. 48-62-0090  
Mortar Cutting Chisel**

### GREASE

#### FOR GEARS

**NO. 49-08-0500** 1/2 Lb. Can "A" Grease  
**NO. 49-08-0800** 1 Lb. Can "A" Grease



#### FOR MECHANISM

**NO. 49-08-0600** 1/2 Lb. Can "B" Grease  
**NO. 49-08-0900** 1 Lb. Can "B" Grease



### GREASE GUN

**NO. 49-14-0200**

### STAR DRILL CHUCK



**NO. 48-66-5010**  
Drift Pin Catalog No. 48-86-0090 included with each chuck.

### TOOTH ANCHOR CHUCKS

CATALOG NUMBER	FOR BOLT SIZE	O. D. OF ANCHOR
48-66-5100	1/4"	7/16"
48-66-5160	5/16"	15/32"
48-66-5140	3/8"	9/16"
48-66-5080	1/2"	11/16"
48-66-5180	5/8"	27/32"



**TOOL RETAINING SPRING**  
**NO. 49-68-0020**

**DRIFT PIN**  
**NO. 48-86-0090**

# HEAVY-DUTY 3/4" ROTARY HAMMER

FOR PERCUSSION CARBIDE-BIT DRILLING IN CONCRETE AND MASONRY

3 WAY ACTION • HAMMERING WITH ROTATION • HAMMERING ACTION ONLY\* • ROTATION ONLY

\* NO HOURLY OR DAILY OILING — GREASE PERIODICALLY  
DEPENDING UPON AMOUNT OF USE

\*Order accessories separately  
for hammering action only.

ALL BALL AND  
ROLLER BEARINGS

• SIDE HANDLE  
INTERCHANGEABLE  
RIGHT OR LEFT

• "A" TAPER BITS FIT  
DIRECTLY INTO  
NOSE OF TOOL

FAST SPIRAL "A" TAPER  
PERCUSSION CARBIDE-TIP BITS

BIT DIA. (IN.)	CATALOG NUMBER	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
3/16	48-20-3181	4	2
1/4	48-20-3251	4	2
1/4	48-20-3253	6	4
5/16	48-20-3311	4-1/2	2-1/2
5/16	48-20-3313	6	4
3/8	48-20-3383	4-1/2	2-1/2
3/8	48-20-3384	9	7
3/8	48-20-3385	12	10
7/16	48-20-3441	4-1/2	2-1/2
1/2	48-20-3503	9	7
1/2	48-20-3504	4-1/2	2-1/2
1/2	48-20-3505	12	10
9/16	48-20-3561	5	3
9/16	48-20-3562	9	7
5/8	48-20-3623	5	3
5/8	48-20-3624	9	7
5/8	48-20-3625	12	10
11/16	48-20-3691	5	3
3/4	48-20-3791	5-1/2	3-1/2
3/4	48-20-3796	9	7
7/8	48-20-3861	5	3



STEEL CARRYING CASE  
FURNISHED WITH  
BOTH MODELS

CATALOG NUMBER	MAXIMUM CAPACITY	VOLTS	AMPS	BLOWS PER MIN.	NO LOAD RPM	LENGTH INCHES	NET WGT. LBS.	SHP. WGT. LBS.
5351★	7/8"	120	6.2	2500	1000	18-3/8	10	21
5357	7/8"	120	6.2	2500	1000	18-3/8	10	22

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

## NO. 5351 ROTARY HAMMER KIT

Includes 3/4" Rotary Hammer with "A" taper adapter, drift key, auxiliary side handle, depth gauge, dust shield, 3 oz. tube of lubricant for mechanism and steel carrying case.

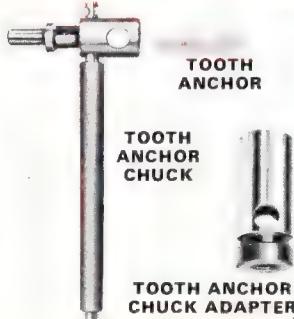
## NO. 5357 ROTARY HAMMER KIT

Same as above. Also includes 6 "A" taper bits 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 9/16" x 5" and 5/8" x 5".

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## 3/4" HEAVY-DUTY ROTARY HAMMER ACCESSORIES

"A" TAPER  
PERCUSSION CARBIDE-TIP BITS



### TOOTH ANCHOR CHUCKS AND ADAPTER

Round shank for hammering action only — manual rotation.

NO. 48-66-6720 For  $\frac{1}{4}$ " -  $\frac{3}{16}$ " Anchor  $\frac{7}{16}$ "  
NO. 48-66-6730 Bolt Size  $\frac{3}{8}$ " O.D.  $\frac{9}{16}$ "

CHUCK ADAPTER for tooth anchor chucks

NO. 48-03-3615

NO. 48-86-0100 DRIFT PIN

NO. 49-68-0075 RETAINING SPRING

TOOTH ANCHOR CHUCK KIT  
NO. 49-22-2050 Includes all items listed above.



CHISEL AND CHISEL ADAPTER Adapter permits hammering action only for chiseling applications.

NO. 48-03-3620 CHISEL ADAPTER Fastens to nose of tool.

NO. 48-62-0300 CHISEL Use retaining spring NO. 49-68-0075

NO. 49-68-0075 RETAINING SPRING



1/2" INDUSTRIAL CHUCK AND ADAPTER Not recommended for hammering applications. Use with rotation only.

NO. 48-03-3590 CHUCK ADAPTER "A" taper shank. 1/2"-20 threaded end.

NO. 48-66-1280 1/2" CHUCK — Chuck Key NO. 48-66-3280 included.

### MISCELLANEOUS ACCESSORIES



48-03-3610\* "A" Taper Bit Adapter

48-86-0050\* Drift Key for above

49-96-0080\* Socket Wrench for Depth Gauge

49-62-0080\* Dust Shield

49-08-0150\* 3 oz. Lubricant for Mechanism

48-55-0571\* Steel Carrying Case

49-68-0075 Retaining Spring

49-08-0500 1/2 Lb. Can "A" Grease For Gears

49-08-0800 1 Lb. Can "A" Grease For Gears

\*Same as furnished with tool.

**HEAVY-DUTY 2-1/2" ROTARY HAMMERS**

- ALL BALL AND ROLLER BEARINGS
- NO HOURLY OR DAILY OILING... GREASE ONLY EVERY 2 TO 3 MONTHS
- ADJUSTABLE SAFETY CLUTCH PROTECTS OPERATOR, TOOL AND BIT. WHEN BIT JAMS, CLUTCH SLIPS
- 3 POSITION PIPE HANDLE... USE ON EITHER SIDE OF MOTOR HOUSING OR ON TOP OF SWITCH HANDLE

**MODELS 5300, 5305**

FOR  
7/16  
HEX. SHANK  
HAMMER IRON

**EXCLUSIVE 5 WAY ACTION**

1. ROTATION WITH HEAVY HAMMER BLOW.
2. ROTATION WITH LIGHT HAMMER BLOW.
3. ROTATION WITHOUT HAMMERING.
4. HAMMERING WITH LIGHT BLOW.
5. HAMMERING WITH HEAVY BLOW.

**CAPACITIES**

For Percussion Carbide Bit Drilling in concrete and masonry 1/4" thru 1-1/2" dia. holes — Core Drilling 1-1/4", 1-1/2", 1-3/4", 2" and 2-1/2" holes — for Tooth Anchor Chucks and Self-Drilling Anchors. Drills Steel to 1/2" diameter. Hammer Tools for chiseling, channeling, medium or light demolition work, chipping, scaling, slotting and tuck-pointing.

**MODELS 5310, 5315 WITH 2 WAY ACTION: Hammering Only or Rotary Hammering with Heavy Hammer Blow**

FOR  
7/16  
HEX. SHANK  
HAMMER IRON

**MODELS 5325, 5326**

FOR  
9/16  
HEX. SHANK  
HAMMER IRON

**WITH 2 WAY ACTION: Hammering Only or Rotary Hammering with Heavy Hammer Blow****CAPACITIES**

For Percussion Carbide Bit Drilling in concrete and masonry 1/4" thru 1-1/2" dia. holes — Core Drilling 1-1/4", 1-1/2", 1-3/4", 2" and 2-1/2" holes — for Tooth Anchor Chucks and Self-Drilling Anchors. Hammer Tools for chiseling, channeling, medium or light demolition work, chipping, scaling, slotting and tuck-pointing.

*Heavier Shank for EXTENDED Bit Life —*

**HEAVY-DUTY PERCUSSION CARBIDE-TIPPED BITS****FOR ROTARY HAMMERS**

**HIGHEST QUALITY CARBIDE TIP BRAZED TO STEEL BODY...** Specially designed for continuous use with heavy blow and rotary action. MILWAUKEE Percussion Carbide-Tip Bits have heat-treated alloy steel shanks and bodies for durability and long life.

**GENERAL PURPOSE "A" and "B" TAPER SHANK BITS** provide an economical means of drilling. They require the use of TAPER CHUCKS as listed in the chart on the right.

**GENERAL PURPOSE TAPER SHANK BITS****FAST SPIRAL "A" TAPER BITS  
USE "A" TAPER CHUCKS**

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/4	48-20-3251	4	2
1/4	48-20-3253	6	4
5/16	48-20-3311	4-1/2	2-1/2
5/16	48-20-3313	6	4
3/8	48-20-3383	4-1/2	2-1/2
3/8	48-20-3384	9	7
3/8	48-20-3385	12	10
7/16	48-20-3441	4-1/2	2-1/2
1/2	48-20-3503	9	7
1/2	48-20-3504	4-1/2	2-1/2
1/2	48-20-3505	12	10
9/16	48-20-3561	5	3
9/16	48-20-3562	9	7
5/8	48-20-3623	5	3
5/8	48-20-3624	9	7
5/8	48-20-3625	12	10
11/16	48-20-3691	5	3
3/4	48-20-3791	5-1/2	3-1/2
3/4	48-20-3796	9	7
7/8	48-20-3861	5	3

**"A" TAPER BITS  
USE "A" TAPER CHUCKS**

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/4	48-20-3250	4	2
1/4	48-20-3252	6	4
5/16	48-20-3310	4-1/2	2-1/2
5/16	48-20-3312	6	4
3/8	48-20-3380	4-1/2	2-1/2
3/8	48-20-3381	9	7
3/8	48-20-3382	12	10
7/16	48-20-3440	4-1/2	2-1/2
15/32	48-20-3470	4-1/2	2-1/2
1/2	48-20-3499	9	7
1/2	48-20-3500	4-1/2	2-1/2
1/2	48-20-3501	12	10
9/16	48-20-3559	5	3
9/16	48-20-3560	9	7
5/8	48-20-3619	5	3
5/8	48-20-3620	9	7
5/8	48-20-3621	12	10
11/16	48-20-3690	5	3
3/4	48-20-3790	5-1/2	3-1/2
3/4	48-20-3795	9	7
7/8	48-20-3860	5	3

**"B" TAPER BITS  
USE "B" TAPER CHUCKS**

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
11/16	48-20-3680	9	6-3/4
3/4	48-20-3750	9	6-3/4
27/32	48-20-3840	9	6-3/4
7/8	48-20-3870	9	6-3/4
1	48-20-3100	9	6-3/4

**Milwaukee**

DRILLS UP TO  
2-1/2" WITH CORE BITS

SEE PAGES 40 AND 41 FOR  
ADDITIONAL HAMMER TOOLS  
AND ACCESSORIES

THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

**CORE BITS • ALL MODELS WITH EXCLUSIVE TWO-WAY ACTION SLIDE SHIFT  
DEPENDING UPON AMOUNT OF USE  
ROTARY ACTION STOPS. TORQUE OUTPUT ADJUSTMENT EASILY MADE**



CATALOG NUMBER	VOLTS	AMPS	RPM LIGHT BLOW	RPM HEAVY BLOW	ROTATION ONLY	BLOWS PER MIN. LIGHT BLOW	BLOWS PER MIN. HEAVY BLOW	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
5300★	120	10	700	600	850	3750	3250	18"	19-3/4	45
5305 KIT	120	10	700	600	850	3750	3250	18"	19-3/4	52

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

#### STANDARD EQUIPMENT

NO. 5300 includes Rotary Hammer in steel carrying case, depth gauge, pipe handle, 1 lb. can of grease.

NO. 5305 same as above. Also includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and a drift pin.

**CONVERSION KIT NO. 48-62-0205** Additional accessories to convert No. 5300 to No. 5305 as itemized above.

CATALOG NUMBER	VOLTS	AMPS	RPM	BLOWS PER MIN.	NET WGT. LBS.	SHP. WGT. LBS.
5310	120	10	600	3250	18"	19
5315 KIT	120	10	600	3250	18"	19

#### STANDARD EQUIPMENT

NO. 5310 includes Rotary Hammer in steel carrying case, pipe handle, 1 lb. can of grease.

NO. 5315 same as above. Also includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and drift pin.



#### DEPTH GAUGE ASSEMBLY

NO. 49-11-0090 Easily mounted to nose of tool for accurate pre-set depth drilling. Contains depth rod bracket and depth rod.

#### CONVERSION KIT NO. 48-62-0205

Additional accessories to convert No. 5310 to No. 5315 as itemized at left.

**STEEL CARRYING CASE** as furnished with NOS. 5300 and 5305



**STEEL CARRYING CASE ONLY**  
NO. 48-55-0600

**STEEL CARRYING CASE** as furnished with NOS. 5310 and 5315



**STEEL CARRYING CASE ONLY**  
NO. 48-55-0600

CATALOG NUMBER	VOLTS	AMPS	RPM	BLOWS PER MIN.	NET WGT. LBS.	SHP. WGT. LBS.
5325	120	10	600	3250	18-1/2"	20
5326 KIT	120	10	600	3250	18-1/2"	20

#### STANDARD EQUIPMENT

NO. 5325 includes Rotary Hammer in steel carrying case, pipe handle, 1 lb. can of grease.

NO. 5326 same as above. Also includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and drift pin.



#### DEPTH GAUGE ASSEMBLY

NO. 49-11-0090 Easily mounted to nose of tool for accurate pre-set depth drilling. Contains depth rod bracket and depth rod.

#### CONVERSION KIT NO. 48-62-0206

Additional accessories to convert No. 5325 to No. 5328 as itemized at left.

**STEEL CARRYING CASE** as furnished with NOS. 5325 and 5326



**STEEL CARRYING CASE ONLY**  
NO. 48-55-0600

## MODELS 5300, 5310, and 5325

**GENERAL PURPOSE BITS** No adapter is required. One piece bits fit directly into the nose of the hammer.

### GENERAL PURPOSE ONE PIECE BITS

#### WITH 7/16" HEX SHANK

For Models 5300, 5310, 5305, 5315 and Skil 726.

#### ONE PIECE

7/16" HEX X 2-1/8" LONG SHANK

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/2	48-20-1500	10	4-1/4
1/2	48-20-1502	16	10-1/2
1/2	48-20-1504	22	16
9/16	48-20-1560	12	6-1/2
5/8	48-20-1630	10	4-1/2
5/8	48-20-1632	16	10-1/2
5/8	48-20-1634	22	16
11/16	48-20-1690	12	6-1/2
3/4	48-20-1750	10	4-1/2
3/4	48-20-1752	16	10-1/2
3/4	48-20-1754	23-1/2	18
7/8	48-20-1880	12	6-1/2
7/8	48-20-1882	23-1/2	18
1	48-20-2000	12	6-1/2
1	48-20-2002	23-1/2	18
1-1/8	48-20-2130	12	6-1/2
1-1/8	48-20-2132	23-1/2	18
1-1/4	48-20-2250	12	7
1-1/4	48-20-2251	23-1/2	18
1-3/8	48-20-2370	12	7
1-3/8	48-20-2372	23-1/2	18
1-1/2	48-20-2500	15	10
1-1/2	48-20-2502	23-1/2	18

#### WITH 9/16" HEX SHANK

For Models 5325, 5326 and Skil 628, 728, 732, B&D 5048, Rockwell 602 and 1602.

#### ONE PIECE

9/16" HEX X 2-1/8" LONG SHANK

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/2	48-20-1509	10-1/2	4-1/2
1/2	48-20-1510	16-1/2	10-1/2
1/2	48-20-1511	22-1/2	16-1/2
9/16	48-20-1561	13	7
5/8	48-20-1631	10	4
5/8	48-20-1633	16-1/2	10-1/2
5/8	48-20-1635	22-1/2	16-1/2
11/16	48-20-1691	13	7
3/4	48-20-1751	10	4
3/4	48-20-1753	16-1/2	10-1/2
3/4	48-20-1755	22-1/2	16-1/2
7/8	48-20-1881	17	11-1/2
7/8	48-20-1883	22-1/2	16-1/2
1	48-20-2001	12-1/2	7
1	48-20-2003	22-1/2	17
1-1/8	48-20-2131	17	11-1/2
1-1/8	48-20-2133	22-1/2	17
1-1/4	48-20-2252	17	11-1/2
1-1/4	48-20-2253	22-1/2	17
1-3/8	48-20-2371	17	11-1/2
1-3/8	48-20-2373	22	17
1-1/2	48-20-2501	17	11-1/2
1-1/2	48-20-2503	22	17

### TAPER CHUCKS

#### MILWAUKEE "A" TAPER CHUCKS

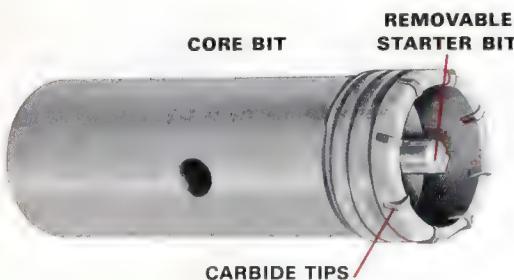
FITS MODEL NUMBERS	MILWAUKEE CATALOG NUMBER
MILWAUKEE 5300, 5310	48-66-6500
Skil 726, 736	
Skil 707, 708	
Rockwell 600, 601	48-66-6708
Black & Decker 5040-09	
MILWAUKEE 5325	
Skil 731, 732	48-66-6709
Rockwell 602	
Black & Decker 5048	
Hilti TE-17	48-66-6750
<b>MILWAUKEE "B" TAPER CHUCKS</b>	
MILWAUKEE 5300, 5310	48-66-6501
Skil 726, 736	
MILWAUKEE 5325	
Skil 731, 732	48-66-6710
Rockwell 602	
Black & Decker 5048	
Drift When ordered	48-86-0090*
Pins separately	48-86-0100

\* Use with Chuck No. 48-66-6708

# HEAVY-DUTY ROTARY HAMMER ROTARY PERCUSSION CORE BITS

FOR ROTARY HAMMER MODELS 5300, 5310 and 5325

For Fast, Accurate Drilling with Heavy Hammering and Rotary Action



## 7/16" and 9/16" HEX. SHANK AVAILABLE

7/16" Hex. shanks fit MILWAUKEE 5300, 5310, 5305, 5315 and Skil 726.

9/16" Hex. shanks fit MILWAUKEE 5325, 5326 and Skil 628, 728, 732, B&D 5048. Rockwell 602 and 1602

## CORE BITS

Starter Bit included. Order Core Bit Adapter separately.

NO. 48-20-5250	1-1/4" x 6"
NO. 48-20-5510	1-1/2" x 6"
NO. 48-20-5760	1-3/4" x 6"
NO. 48-20-6010	2" x 6"
NO. 48-20-6050	2-1/2" x 6"

## 1/2" STARTER BITS

(Same as furnished with Core Bits)

NO. 48-20-6105	For 1-1/4" Core Bit
NO. 48-20-6110	For 1-1/2" Core Bit
NO. 48-20-6120	For 1-3/4" Core Bit
NO. 48-20-6130	For 2" Core Bit
NO. 48-20-6140	For 2-1/2" Core Bit

## CORE BIT ADAPTERS

(Order Separately)

### FOR 1-1/4" CORE BIT

NO. 48-03-3515	7/16" Hex. Shank
NO. 48-03-3530	9/16" Hex. Shank

### FOR 1-1/2", 1-3/4", 2" AND 2-1/2" CORE BITS

NO. 48-03-3505	7/16" Hex. Shank
NO. 48-03-3520	9/16" Hex. Shank

## EXTENSIONS

### FOR 1-1/4" CORE BIT

NO. 48-95-6065	12" Long
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### FOR 1-1/2", 1-3/4", 2" AND 2-1/2" CORE BITS

NO. 48-95-6005	7-1/2" Long
NO. 48-95-6055	12" Long

## HEAVY-DUTY ROTARY HAMMER TOOTH ANCHOR CHUCKS

FOR ROTARY HAMMER MODELS 5300, 5310 and 5325

For Application of Self-Drilling Anchors

### TOOTH ANCHOR CHUCK



MUST BE USED  
WITH "B" TAPER CHUCK OR  
"B" TAPER CHUCK ASSEMBLY  
AS ILLUSTRATED

### "B" TAPER CHUCK FOR AUTOMATIC ROTATION



"B" TAPER CHUCKS  
NO. 48-66-6501 7/16" Hex. Shank  
NO. 48-66-6710 9/16" Hex. Shank

Drift Pin 48-86-0100 included.

### TOOTH ANCHOR CHUCK

CATALOG NO.	FOR BOLT SIZE	O.D. OF ANCHOR
48-66-6520	3/16"- 1/4"	7/16"
48-66-6540	5/16"	15/32"
48-66-6560	3/8"	9/16"
48-66-6580	1/2"	11/16"
48-66-6600	5/8"	27/32"

For final setting of anchors 1/2" and 5/8" use hand hammer and setting tool.

### "B" TAPER CHUCK ASSEMBLY FOR MANUAL ROTATION



7/16" and 9/16"  
SHANK  
AVAILABLE

"B" TAPER CHUCK ASSEMBLIES  
NO. 48-03-3600 7/16" Shank  
NO. 48-03-3100 9/16" Shank

Drift Pin 48-86-0100 included



## TOOTH ANCHOR CHUCK KIT

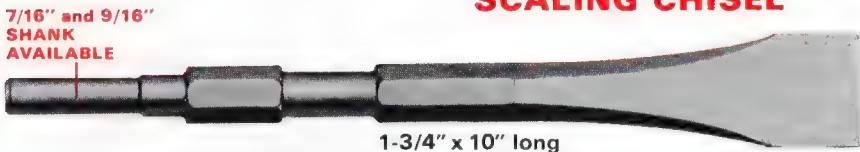
NO. 49-22-2000  
Tooth Anchor Chucks for bolts sizes 3/16",  
1/4", 3/8", 1/2" and 5/8"; "B" Taper Chuck  
(48-66-6501) with Drift Pin (48-86-0100)  
and Steel Case (48-55-0780).

# HEAVY-DUTY ROTARY HAMMER TOOLS

FOR ROTARY HAMMER MODELS 5300, 5310, and 5325

HIGHEST QUALITY FORGED STEEL for Chiseling, Channeling, Light Demolition Work, Chipping, Scaling, Slotting and Tuckpointing

## SCALING CHISEL



1-3/4" x 10" long

7/16" and 9/16"  
SHANK  
AVAILABLE

For removing weld spatter or scale and cutting between drilled holes in concrete for large openings.

NO. 48-62-0210

7/16" Shank

NO. 48-62-0355

9/16" Shank

## MORTAR CUTTING CHISEL



1" x 11" long

7/16" and 9/16"  
SHANK  
AVAILABLE

For removing old mortar for tuckpointing or caulking and seaming.

NO. 48-62-0230

7/16" Shank

NO. 48-62-0362

9/16" Shank

## COLD CHISEL



3/4" x 11" or 18" long

7/16" and 9/16"  
SHANK  
AVAILABLE

For edging, chipping or channeling.

11" LONG

NO. 48-62-0250 7/16" Shank

NO. 48-62-0365 9/16" Shank

### 18" LONG

NO. 48-62-0252 7/16" Shank

NO. 48-62-0367 9/16" Shank

## BULL POINT



11" or 18" long

7/16" and 9/16"  
SHANK  
AVAILABLE

For light demolition work.

### 11" LONG

NO. 48-62-0240 7/16" Shank

NO. 48-62-0380 9/16" Shank

### 18" LONG

NO. 48-62-0248 7/16" Shank

NO. 48-62-0382 9/16" Shank

## SLOTTING CHISEL



1-1/8" x 11" long

7/16" and 9/16"  
SHANK  
AVAILABLE

For slotting and cutting between drilled holes in concrete and masonry.

NO. 48-62-0220

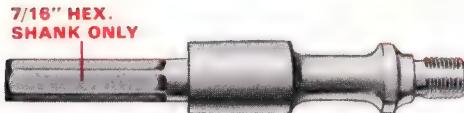
7/16" Shank

NO. 48-62-0390

9/16" Shank

# HEAVY-DUTY ROTARY HAMMER ACCESSORIES

## INDUSTRIAL CHUCK AND ADAPTER



CHUCK ADAPTER



1/2" CHUCK

7/16" HEX.  
SHANK ONLY

Used with rotation only. Chuck threads on chuck adapter (1/2"-20 thread). Capacity in steel 1/2". Use as regular drill for other applications. Chuck key No. 48-66-3280 included with chuck. Order both chuck and chuck adapter.

NO. 48-03-3000

Chuck Adapter

1/2" Chuck

## MISCELLANEOUS

REPLACEMENT DUST SHIELD,  
FOR SERIAL NOS. BELOW 342-70312  
NO. 49-62-0070

For use with previous model 5300 Hammer. Keeps foreign matter from entering nose of tool. Prevents grease contamination.

REPLACEMENT TOOL ADAPTER  
ASSEMBLY — FOR SERIAL NOS.  
BELOW 342-70312  
NO. 48-03-0050

For use with previous model 5300 Hammer. Must be used with hammer tools for hammering action only.

**Milwaukee**

NO. 48-55-0600 Carrying Case Only  
For 5300, 5310, and 5325 Rotary Hammers.  
NO. 48-86-0100 Drift Pin  
NO. 49-08-0500 1/2 lb. Can "A" Grease  
NO. 49-08-0800 1 lb. Can "A" Grease

**HEAVY-DUTY SAWZALL®**

**UNSURPASSED FOR OVERALL**

Cuts any shape in any sawable material. Plunge cuts in wood and other resilient stock... no starting hole required.

**TRIGGER SPEED CONTROL SAWZALL®**

0-2400 Strokes Per Minute

**NO. 6506  
WITH CASE**



ALL BALL AND  
ROLLER BEARINGS

**TWO SPEED SAWZALL®**

2400/1700 Strokes Per Minute

**NO. 6531  
LESS CASE**

**NO. 6511  
WITH CASE**



ALL BALL AND  
ROLLER BEARINGS

**TWO SPEED DOUBLE INSULATED SAWZALL®**

2400/1700 Strokes Per Minute

**NO. 6512  
WITH CASE**

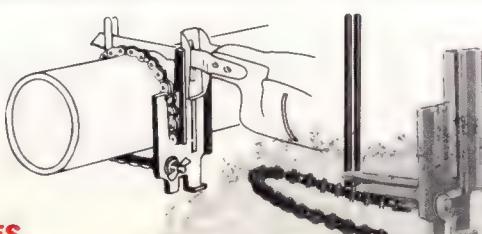


ALL BALL AND  
ROLLER BEARINGS

**HEAVY-DUTY SAWZALL® ACCESSORIES**

**Milwaukee**

**SEE PAGES 44 AND 45  
FOR COMPLETE LINE  
OF GENUINE SAWZALL® BLADES**

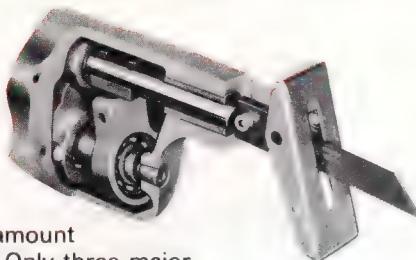


**NO. 48-08-0200  
SAWZALL® CUT-OFF FIXTURE**

Inexpensive time saving accessory, designed to make square accurate-cuts thru steel and plastic pipe and other materials up to 4-1/2" O.D. Easily accommodates irregular shapes to 3-1/4" x 4-1/2".

# PERFORMANCE AND RUGGEDNESS

RUGGED, SIMPLE  
RECIPROCATING  
MECHANISM



Built to stand large thrust loads in equal amount from either direction. Only three major moving parts. Heavy duty bearings.

## USE ONLY GENUINE SAWZALL® BLADES



SEE PAGES 44 AND 45  
FOR COMPLETE SAWZALL® BLADE SPECIFICATIONS

**Press SINGLE TRIGGER for controlled sawing speeds from 0 TO 2400 strokes per min. The most versatile electric hacksaw available. Durable glass reinforced nylon handle. Protective front end boot.**

CATALOG NUMBER	VOLTS AC ONLY	AMPS	LENGTH OF STROKE	STROKES PER MINUTE	OVERALL LENGTH (INCHES)	NET WGT. LBS.	SHP. WGT. LBS.
6506 WITH CASE	120	4	3/4"	0-2400	16"	7	18

Standard equipment includes Sawzall® Blade Card NO 49-22-1120 for wood and metal — total of 11 blades. Also included are socket wrench and holder, extra blade clamp and screw



STEEL CARRYING CASE  
as furnished with NO. 6506

STEEL CARRYING CASE ONLY  
NO. 48-55-1561

**High speed for roughing in wood and low speed for efficient metal cutting. Durable glass reinforced nylon handle. Protective front end boot.**

CATALOG NUMBER	VOLTS AC ONLY	AMPS	LENGTH OF STROKE	STROKES PER MINUTE	OVERALL LENGTH (INCHES)	NET WGT. LBS.	SHP. WGT. LBS.
6531 LESS CASE	120	4	3/4"	2400/1700	16"	7	10
6511 WITH CASE★	120	4	3/4"	2400/1700	16"	7	18

★ Available in 240 Volts AC Only. Add -2 after Catalog Number when ordering. See price sheet.

Standard equipment includes Sawzall® Blade Card NO 49-22-1120 for wood and metal — total of 11 blades. Also included are socket wrench and holder, extra blade clamp and screw



STEEL CARRYING CASE  
as furnished with NO. 6511

STEEL CARRYING CASE ONLY  
NO. 48-55-1561

**Two independent insulating barriers between electrical windings and spindle. Durable glass reinforced nylon handle. Protective front end boot.**

CATALOG NUMBER	VOLTS AC ONLY	AMPS	LENGTH OF STROKE	STROKES PER MINUTE	OVERALL LENGTH (INCHES)	NET WGT. LBS.	NET WGT. LBS.
6512 WITH CASE	120	4	3/4"	2400/1700	16"	7	18

Standard equipment includes Sawzall® Blade Card NO 49-22-1120 for wood and metal — total of 11 blades. Also included are socket wrench and holder, extra blade clamp and screw



STEEL CARRYING CASE  
as furnished with NO. 6512

STEEL CARRYING CASE ONLY  
NO. 48-55-1561

THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS



### NO. 48-03-2000 OFFSET BLADE ADAPTER

For close quarter sawing. Extra Blade Clamp and Blade Clamp Screw included.

FOR ALL SAWZALLS: BLADE CLAMP NO. 42-68-0073  
BLADE CLAMP SCREW NO. 06-75-2400

NO. 49-22-5080 WRENCH, SCREW AND CLAMP KIT consists of 10 blade clamp screws, 2 blade clamps and 2 socket wrenches  
NO. 49-22-5050 WRENCH AND SCREW KIT consists of 25 socket wrenches and 50 blade clamp screws.

NO. 49-96-0070 BLADE CLAMP WRENCH

NO. 48-66-4080 RUBBER FLEX WRENCH HOLDER

NO. 48-55-1561 STEEL CARRYING CASE

NO. 49-08-0500 "A" GREASE for gear case 1/2 lb. can

NO. 49-08-0800 "A" GREASE for gear case 1 lb. can

NO. 49-08-0600 "B" GREASE for mechanism 1/2 lb. can

NO. 49-08-0900 "B" GREASE for mechanism 1 lb. can

# HEAVY-DUTY SAWZALL® BLADES

USE ONLY GENUINE SAWZALL® BLADES

• Custom Milled Teeth, Set and Hardened for Maximum Performance at the Exact Speed of the Sawzall.



Purple —  
HIGH ALLOY  
STEEL



SOLD IN BOX  
LOTS ONLY  
SEE QUANTITY PER  
BOX COLUMN

**ZIP CUT**

• 1/2" Tang Designed to Fit Most Competitive Reciprocating Saws.

CATALOG NUMBER (BOX)	TEETH PER INCH	LENGTH INCHES	QTY. PER BOX	RECOMMENDED FOR CUTTING
48-00-1001	3	3-1/2	10	Nail free woods...fastest cutting...fully hardened to withstand roughest sawing. Teeth, fleam sharpened to shear, not tear wood fibers. Canted shank provides for faster feed, deeper cut and ideal return stroke clearance.
48-00-1002	3	8	10	
48-00-1003	3	12	5	

Orange —  
HIGH ALLOY  
STEEL



**TUFF BACK**

48-00-1011	6	3-1/2	10	Nail embedded woods and composition materials... 12" blade affords flexibility for flush cutting
48-00-1012	6	6	10	
48-00-2011	6	12	5	
48-00-1013	10	3-1/2	10	For all woods... nail embedded woods, composition materials and light gauge non-ferrous metals.
48-00-1014	10	6	10	
48-00-2012	10	12	5	
48-00-2013	18	12	5	Nail embedded woods...for opening crates, boxes, removing wood siding and shingles

Green —  
HIGH ALLOY  
STEEL



**SPRING BACK**

48-00-1021	6	3-1/2	5	All woods including nail embedded woods. Hardened and tempered to resist bend or twist. Even after severe twist, blade springs right back to its original shape.
48-00-1022	6	6	5	
48-00-1023	10	3-1/2	5	
48-00-1024	10	6	5	

Silver —  
SPRING  
STEEL



**GENERAL PURPOSE**

48-00-1031	7	6	5	General roughing-in work in wood and nail embedded woods
48-00-1032	7	12	5	
48-00-1033	7	9	5	

Black —  
SPRING  
STEEL



**GENERAL PURPOSE**

48-00-1034	6	4	10	General roughing-in work in wood and nail embedded woods. Thinner and harder than 1031 series for faster cuts
48-00-1035	6	6	10	
48-00-1036	6	9	10	

Black —  
SPRING  
STEEL



**SAWZALL DELUXE**

48-00-1041	6	6	5	Wood cutting shear tooth design fleam sharpened for shearing action... very fast cutting, long blade life
48-00-1042	6	12	3	
48-00-1043	6	9	4	

White —  
HIGH ALLOY  
STEEL



**PLASTER CUTTING**

48-00-1051	5	3-1/2	10	For plaster, plaster with metal lath, plasterboard. Cuts on both forward and backward stroke.
48-00-1052	5	6	10	

Black —  
BAND SAW  
STEEL



**ALL-PURPOSE**

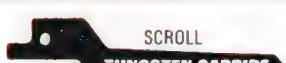
48-00-1061	6	3-1/2	10	For nail free woods, plywood, asbestos and fiberboard... A general purpose economy type blade.
48-00-1062	6	6	10	

48-00-1063	10	3-1/2	10	Nail embedded woods, plywood, insulating board, and asbestos. Can also be used for cutting transite. Blade edge hardened
48-00-1064	10	6	10	
48-00-2064▲	10	6	10	

48-00-1065	18	3-1/2	10	For nail embedded woods, opening wooden crates or boxes, removing wood siding or shingles. Teeth are fully hardened
48-00-1066	18	6	10	
48-00-2066▲	18	6	10	

48-00-1067	24	3-1/2	10	For light gauge non-ferrous metals.
48-00-1068	24	6	10	

Black —  
TUNGSTEN  
CARBIDE



**SCROLL  
TUNGSTEN CARBIDE**

48-00-1410†	GRIT	3-1/2	3	Medium grit; for brick, carbon, claypipe, chalkboard, plywood, hardwood veneer plywood.
48-00-1052	GRIT	6	10	

Black —  
TUNGSTEN  
CARBIDE



**TUNGSTEN CARBIDE**

48-00-1400†	GRIT	4	3	Coarse grit; for fiberglass (epoxies, polyesters, silicones, malamines)
48-00-1420†	GRIT	6	3	Nail embedded wood, plaster with nails, asbestos cement

Silver —  
SPRING  
STEEL



**SPECIAL  
(KNIFE)**

48-00-1071	KNIFE	4	10	Sponge, rubber, leather, felt and other resilient materials
48-00-1052	GRIT	6	10	

Red —  
HIGH SPEED  
STEEL



**METAL SCROLL**

48-00-1101	14	2-1/2	10	Scroll cutting metals. 14 tooth for 1/8" and over; 18 tooth — 18 ga. to 1/8"; 24 tooth — lighter than 18 ga
48-00-1102★	18	2-1/2	10	
48-00-1103★	24	2-1/2	10	

Orange —  
HIGH ALLOY  
STEEL



**TWIN EDGE**

48-00-1131	7	4-1/8	5	Plunge cutting wood and sawing back to a line. Hardened teeth and flexible center permits sawing in close-quarters. High resistance to bending or breaking. Ideal for roughing-in
48-00-1052	GRIT	6	10	

▲ All blades have teeth set to cut on up stroke except blades 48-00-1202, 48-00-2064 and 48-00-2066. These 3 blades have teeth set to cut on down stroke and are recommended when sawing veneers or plywood to prevent splintering on the finish side.

†With 2-Speed and Trigger Speed Control SAWZALL® use slower speeds. Carbide blades cut on both the up and down strokes giving better edge finish.

★ Some varieties of stainless steel can be cut with these blades.

# HEAVY-DUTY SAWZALL® BLADES

USE ONLY GENUINE SAWZALL® BLADES



SOLD IN BOX LOTS ONLY  
SEE QUANTITY PER BOX COLUMN

**MILWAUKEE SUPER-TOUGH**  
Bi-Metal Blades outlast conventional blades up to 3 times longer, requires fewer blade changes

Gold—  
FLEXIBLE ALLOY  
STEEL BACK  
HIGH SPEED  
STEEL TEETH



**SUPER-TOUGH**

CATALOG NUMBER (BOX)	TEETH PER INCH	LENGTH INCHES	QTY. PER BOX	RECOMMENDED FOR CUTTING
48-00-1500	10	4	5	
48-00-1510	14	4	5	
48-00-1540	14	6	5	Fast cutting high speed steel teeth for long life are welded to a flexible alloy steel back for high resistance to breakage. Super-Tough blades last up to 3 times longer than conventional blades and cut 3 times faster in heavy gauge metals, angles, bar stock 1/8" thick and above.
48-00-1520	18	4	5	
48-00-1530	24	4	5	
48-00-1550	18	6	5	Same characteristics as blades 1500, 1510 and 1540 except finer teeth for fast cutting of metals 18 gauge to 1/8" thick, conduit, pipe, channels and tubing.

(SEE CHART)



**WOOD SCROLL**

48-00-1121	6	3-5/8	5	
48-00-1151	6	3-5/8	5	Sawing intricate shapes and scroll cuts in wood and synthetic structural materials. (1121) a carbon steel economy blade (Gray) (1151) a high speed steel Deluxe blade (Black)

48-00-1141	7	3-5/8	10	Rough cutting irregular contours in wood, fiberboard, asphalt and asbestos. Spring steel blade (Black)
48-00-1201	6	3-5/8	5	

48-00-1202 ▲	6	3-5/8	5	High speed steel, hollow ground...Deluxe type for fast, smooth finish scroll cuts in wood, plastics, formica and fiberglass. (Silver with black shank)
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Yellow—  
HIGH SPEED  
STEEL



**METAL SCROLL**

48-00-1161	10	3-5/8	10	
48-00-1162	14	3-5/8	10	Heavy gauge metal, hard rubber and fiber

48-00-2175	10	8	5	Cast iron, steel or copper pipe to 4" dia., and also metal decking materials
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48-00-1171	14	2-1/2	10	
48-00-1172	14	4	10	
48-00-1179	14	6	10	Metal heavier than 1/8" thick, angles, bar stock, hard rubber and fiber

Red—  
HIGH SPEED  
STEEL



**METAL CUTTING  
(HIGH SPEED)**

48-00-1173 ★	18	2-1/2	10	
48-00-1174 ★	18	4	10	
48-00-2170 ★	18	6	10	Heavy gauge metals, conduit, pipe, channels and tubing

48-00-1175 ★	24	2-1/2	10	
48-00-1176 ★	24	4	10	
48-00-2171 ★	24	6	10	Metals lighter than 18 gauge sheet, trim and tubing

48-00-1177	32	2-1/2	10	
48-00-1178	32	4	10	Very light gauge metals...sheet trim and tubing

Blue—  
HIGH SPEED  
STEEL



**METAL CUTTING  
(FLEXIBLE BACK)**

48-00-1181	14	4	10	
48-00-1182	14	6	10	Heavy gauge metals, angles, bar stock 1/8" thick and above. Hard rubber Teeth are fully hardened. Hardening of blade back limited to provide required resiliency

48-00-1183 ★	18	4	10	
48-00-1184 ★	18	6	10	Same characteristics as blades 1181 and 1182 except finer teeth for fast cutting of metals 18 gauge to 1/8" thick conduit, pipe, channels and tubing

Green—  
HIGH ALLOY  
STEEL



**PRUNING**

48-00-1302	6	12	5	Pruning trees, smooth sawing green woods Deep tooth design, filem filed Clean cuts wood fibers
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▲ All blades have teeth set to cut on up stroke except blades 48-00-1202, 48-00-2064 and 48-00-2066. These 3 blades have teeth set to cut on down stroke and are recommended when sawing veneers or plywood to prevent splintering on the finish side.

★ Some varieties of stainless steel can be cut with these blades



### ECONOMY BLADE ASSORTMENT NO. 49-22-1080

A special package value includes 45 Sawzall® Blades of 18 most popular types of cutting wood or metal. Consists of five each catalog Nos. 48-00-(1063, 1064, 1174); three each 48-00-(1061, 1102, 1183); two each 48-00-(1023, 1024, 1041, 1051, 1062, 1103, 1121, 1141, 1173); one each 48-00-(1031, 1002, 1012).

### SAWZALL® BLADE CARD NO. 49-22-1120

Consists of one each of 48-00-(1011, 1023, 1031, 1041, 1064 and 1121) for wood; and 48-00-(1102, 1162, 1171, 1174 and 1182) for metal—a total of 11 blades.



### SAWZALL® BLADE MERCHANDISER

Blonde wood cabinet with glass door and formed plastic blade compartments. Comes with Masonite sign, literature rack, shelves in rear for handy blade storage, assortment of 203 blades, plus a socket wrench and screw kit. Complete unit measures 16" deep, 16" wide and 32" high.

CATALOG NUMBER	NUMBER OF BLADES	CATALOG NUMBER	NUMBER OF BLADES	CATALOG NUMBER	NUMBER OF BLADES
48-00-1001	5	48-00-1063	10	48-00-1175	5
48-00-1002	5	48-00-1064	10	48-00-1176	5
48-00-1011	5	48-00-1102	5	48-00-1177	4
48-00-1012	4	48-00-1103	6	48-00-1178	4
48-99-1021	5	48-00-1121	3	48-00-1179	5
48-00-1022	3	48-00-1131	5	48-00-1181	5
48-00-1031	5	48-00-1141	3	48-00-1183	5
48-00-1032	4	48-00-1151	5	48-00-1184	5
48-00-1041	5	48-00-1161	5	48-00-1201	5
48-00-1042	3	48-00-1162	5	48-00-1420	3
48-00-1051	5	48-00-1171	5	48-00-2170	5
48-00-1052	5	48-00-1172	5	49-22-5050	1
48-00-1061	10	48-00-1173	5		
48-00-1062	10	48-00-1174	5		



## HEAVY-DUTY JOB SAW

- PERFORMS AS A DRYWALL AND KEYHOLE SAW
- ACCOMMODATES MILWAUKEE SAWZALL® BLADES



Excellent for cutting nails, lath, plasterboard, BX cable, wood, conduit, etc. Cut comfortably in any position by simply turning the saw in your hand. Standard Sawzall blade clamp with wing nut locks blade securely.



### NO. 48-08-0400 JOB SAW PACKAGE

Includes NO. 48-00-1035 quality 10 tooth all purpose blade for nail embedded woods, transite, asbestos and fiberboard.

**SELECT 1/2" TANG SAWZALL® BLADES (PAGES 44, 45) TO FIT JOB SAW**

## HEAVY-DUTY HACK SAW FRAMES • BLADES



### DELUXE 12" HACK SAW FRAME

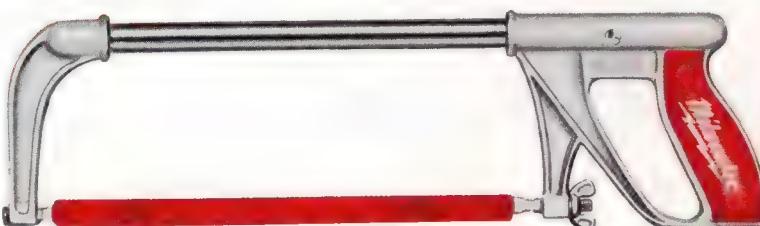
#### NO. 48-08-0300

MILWAUKEE Deluxe Hack Saw features a new method of holding blade. Blade cannot "twist" or "wobble", therefore giving a more accurate cutting stroke and a longer blade life. Blade may be positioned to cut sideways absolutely flush with a surface. Cuts completely down to surface. A heavy-duty 12" Hack Saw designed for a lifetime of use.

### 10" TO 12" HACK SAW FRAME

#### NO. 48-08-0310

MILWAUKEE tubular Hack Saw of strong aluminum die cast construction adjusts for 10" or 12" blades. Smooth, comfortable front and rear handle grips. Locking screw extends all the way through tube for tighter alignment. Tube walls never press against threads of screw. Front stretcher held in snug fitting square hole—not a "punched hole" in thin wall of tubing. Good solid alignment in both 10" and 12" positions.



### MILWAUKEE HACK SAW BLADES CARBON ALLOY STEEL and HIGH SPEED MOLYBDENUM STEEL

#### PACKAGE OF 100 BLADES

##### CARBON ALLOY STEEL

CATALOG NUMBER	LENGTH	TEETH PER INCH	SET
48-43-0500	12"	14	RAKER
48-43-0510	12"	18	RAKER
48-43-0520	12"	24	WAVY
48-43-0530	12"	32	WAVY

#### PACKAGE OF 100 BLADES

##### HIGH SPEED MOLYBDENUM STEEL

CATALOG NUMBER	LENGTH	TEETH PER INCH	SET
48-43-0550	12"	14	RAKER
48-43-0560	12"	18	RAKER
48-43-0570	12"	24	WAVY
48-43-0580	12"	32	WAVY

#### PACKAGE OF 10 BLADES

##### HIGH SPEED MOLYBDENUM STEEL

CATALOG NUMBER	LENGTH	TEETH PER INCH	SET
48-43-0010	10"	18	RAKER
48-43-0050	12"	14	RAKER
48-43-0060	12"	18	RAKER
48-43-0110	10"	24	WAVY
48-43-0120	10"	32	WAVY
48-43-0130	12"	24	WAVY
48-43-0140	12"	32	WAVY

### HAND HACK SAW BLADE MERCHANDISER NO. 49-22-1170

Contains 70 packages of blades  
4 hack saw frames  
1 merchandiser

CATALOG NUMBER	NUMBER OF PACKAGES	NUMBER OF BLADES PER PACKAGE
48-43-0010	10	10
48-43-0110	10	10
48-43-0120	10	10
48-43-0050	10	10
48-43-0060	10	10
48-43-0130	10	10
48-43-0140	10	10



### HAND HACK SAW BLADE MERCHANDISER NO. 49-22-1180

Contains 43 packages of blades  
4 hack saw frames  
1 merchandiser

CATALOG NUMBER	NUMBER OF PACKAGES	NUMBER OF BLADES PER PACKAGE
48-43-0010	1	10
48-43-0110	1	10
48-43-0120	1	10
48-43-0050	10	10
48-43-0060	10	10
48-43-0130	10	10
48-43-0140	10	10



# HEAVY-DUTY ELECTRIC CHAIN SAWS

16" and 20" SIZES

- CHAIN CUTTING SPEED 2200 FT. PER MIN.
- LIGHTWEIGHT
- NO FUEL...NO FIRE HAZARD
- QUIET, SMOOTH, ELECTRIC MOTOR
- POWERFUL, HIGH PERFORMANCE DESIGN
- FLUSH CUTS...NO HOUSING OR BOLT OVERHANG
- PLUNGER-TYPE CHAIN OILER...6-1/2 OZ. CAPACITY
- INSTANT START EVEN IN FREEZING TEMPERATURES

CATALOG NUMBER	BAR LENGTH	VOLTS	AMPS	CUTTING SPEED FT./MIN.	NET WT. LBS.	SHP. WT. LBS.
6210★	16"	120	15	2200	17-1/2	24
6211	20"	120	15	2200	18-1/2	26

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

Standard Equipment Includes  
Chipper Chain, Guide Bar and Wrench

MILWAUKEE ELECTRIC TOOL  
CORPORATION CERTIFIES THAT  
THESE TOOLS COMPLY WITH  
O.S.H.A. REQUIREMENTS

ALL BALL BEARINGS

ACCESSORIES FOR MODEL 6210 AND 6211  
AND ALL PREVIOUS MODELS



GUIDE BARS



CHAINS



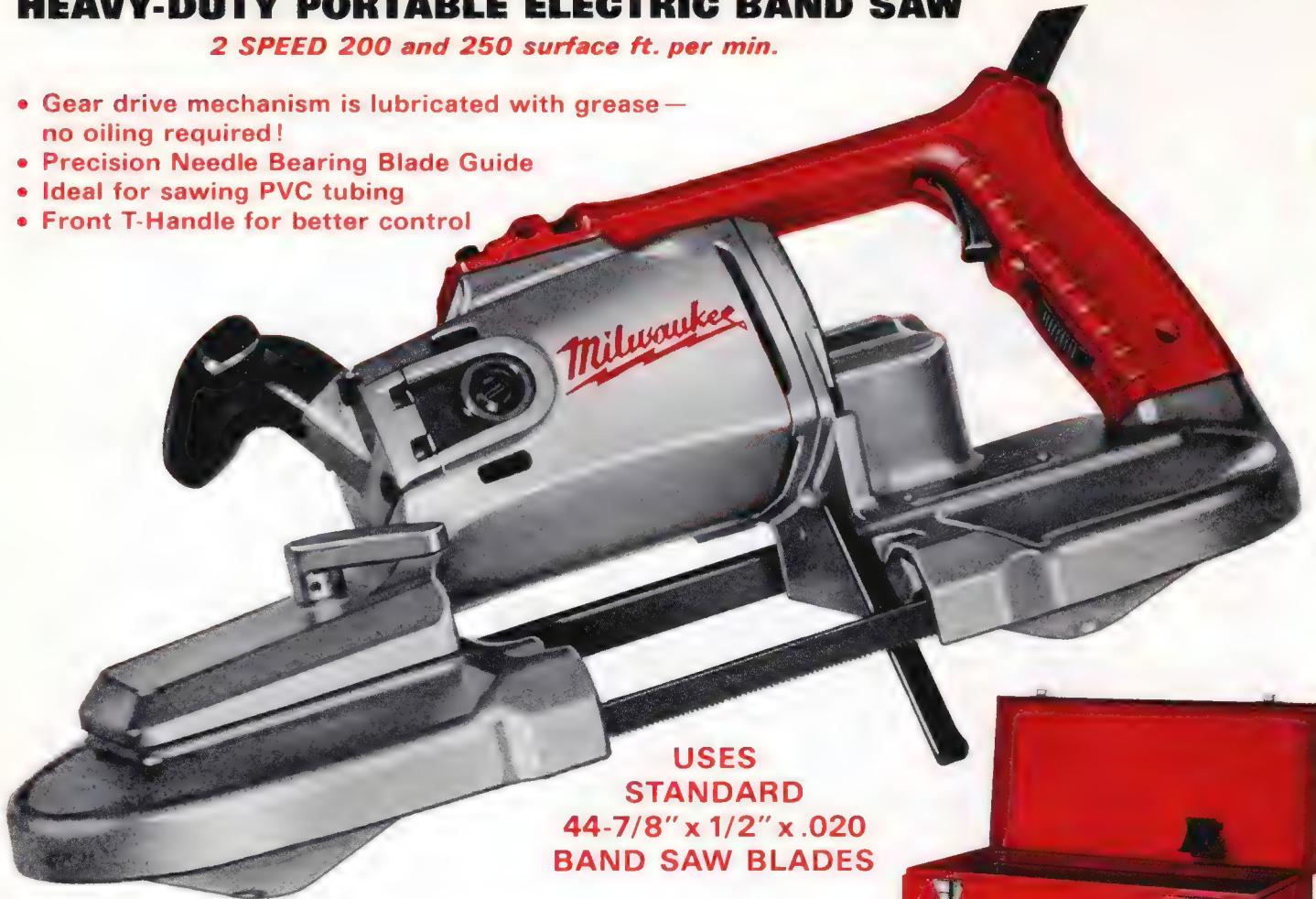
FILE AND HOLDER

- NO. 48-09-5016 16" GUIDE BAR  
NO. 48-09-5020 20" GUIDE BAR  
NO. 48-58-0016 16" CHIPPER CHAIN  
NO. 48-58-0020 20" CHIPPER CHAIN  
NO. 49-17-0100 FILE AND HOLDER (For use with 3/8" pitch chain)  
NO. 49-22-3010 CHAIN REPAIR KIT (For use with Chipper Chain)  
Includes (2) tie straps and (1) drive link.  
NO. 49-96-6200 CHAIN SAW WRENCH  
NO. 49-08-0500 1/2 LB. TYPE "A" GREASE  
NO. 49-08-0800 1 LB. TYPE "A" GREASE

# HEAVY-DUTY PORTABLE ELECTRIC BAND SAW

**2 SPEED 200 and 250 surface ft. per min.**

- Gear drive mechanism is lubricated with grease — no oiling required!
- Precision Needle Bearing Blade Guide
- Ideal for sawing PVC tubing
- Front T-Handle for better control



**USES  
STANDARD  
44-7/8" x 1/2" x .020  
BAND SAW BLADES**

CATALOG NUMBER	NO LOAD SURFACE FT. PER MIN.		VOLTS AC ONLY	AMPS HIGH LOW	CAPACITY ROUND STOCK	RECTANGULAR STOCK	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
	HIGH	LOW							
6225★ Less Case	250	200	120	7 4	3-1/2"	3-1/2"x4-1/2"	20	16	23
6226 With Case	250	200	120	7 4	3-1/2"	3-1/2"x4-1/2"	20	16	34

★ Available in 240 Volts AC Only. Add -2 after Catalog Number when ordering. See price sheet.  
Standard Equipment includes one No. 48-39-0360 quality 14 tooth high speed steel blade.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS



**STEEL CARRYING CASE**  
When purchased separately  
**NO. 48-55-1090**

## HEAVY-DUTY PORTABLE BAND SAW TABLE

CATALOG NO. 48-08-0250

CONVERTS MILWAUKEE'S PORTABLE BAND SAW TO A STATIONARY UNIT.  
CAN BE MOUNTED ON A WORKBENCH OR USED ON THE JOB WITH 3/4"  
DIAMETER PIPE FOR LEGS. SPRING LOADED HANDLE AIDS CLAMPING  
WITH HEAVY-DUTY CHAIN CLAMP FOR ALL SHAPES OF MATERIAL.  
NET WT. 22 LBS.

*Milwaukee*



# HEAVY-DUTY BAND SAW BLADES

MILWAUKEE 44-7/8" x 1/2" x .020 and  
53-3/4" x 1/2" x .020 BAND SAW BLADES



## HIGH SPEED STEEL BAND SAW BLADES

High Speed Steel blades will outlast carbon steel and alloy steel blades for cutting most materials. Ideal for cutting carbon steel, drill rod and other solid and large diameter hard materials.

CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH	LENGTH
<b>44-7/8" BLADES</b>					
<b>FOR USE WITH MILWAUKEE BAND SAW</b>					
48-39-0350	1		3/16"-3-3/8"	10	44-7/8"
48-39-0352	100		3/16"-3-3/8"	10	44-7/8"
48-39-0360	1		5/32"-1/2"	14	44-7/8"
48-39-0362	100		5/32"-1/2"	14	44-7/8"
48-39-0370	1		1/8"-1/4"	18	44-7/8"
48-39-0372	100	High speed cutting of aluminum, angle iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels including stainless, chrome, tungsten steels plus other problem material at slow speed.	1/8"-1/4"	18	44-7/8"
48-39-0380	1		3/32"-1/8"	24	44-7/8"
48-39-0382	100		3/32"-1/8"	24	44-7/8"
48-39-0450	1		3/16"-3-3/8"	10	53-3/4"
48-39-0460	1		5/32"-1/2"	14	53-3/4"
48-39-0470	1		1/8"-1/4"	18	53-3/4"
48-39-0480	1		3/32"-1/8"	24	53-3/4"

Functional packaging for small quantity blades.



Bulk Packaged High Speed Steel and Alloy Steel Band Saw Blades available. See quantities listed in Charts.

## CARBON STEEL BAND SAW BLADES

CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH	LENGTH
<b>CARBON STEEL BLADES</b> An inexpensive utility blade for intermittent use that will cut a wide range of material.					
48-39-0050	3	High speed cutting of aluminum, brass, copper, soft bronze, magnesium, wood, mild steel; and tougher steels at slow speed	11/32"-3-3/8"	6	44-7/8"
48-39-0060	3	High speed cutting of aluminum, brass, copper, magnesium, mild steel; and tougher steels at slow speed	11/32"-3-3/8"	8	44-7/8"
48-39-0070	3	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels at slow speed	3/16"-3-3/8"	10	44-7/8"
48-39-0150	3	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels at slow speed	3/16"-3-3/8"	10	53-3/4"
48-39-0080	3	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels and electric cable at slow speed	5/32"-1/2"	14	44-7/8"
48-39-0160	3	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels and electric cable at slow speed	5/32"-1/2"	14	53-3/4"
48-39-0090	3	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels at slow speed	1/8"-1/4"	18	44-7/8"
48-39-0170	3	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels at slow speed	1/8"-1/4"	18	53-3/4"
48-39-0100	3	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels at slow speed	3/32"-1/8"	24	44-7/8"
48-39-0180	3	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels at slow speed	3/32"-1/8"	24	53-3/4"

FOR CUTTING STOCK  
11/32" TO 3-3/8"\*\*

FOR CUTTING STOCK  
11/32" TO 3-3/8"\*\*

FOR CUTTING STOCK  
3/16" TO 3-3/8"\*\*

FOR CUTTING STOCK  
5/32" TO 1/2"\*\*

FOR CUTTING STOCK  
1/8" TO 1/4"\*\*

FOR CUTTING STOCK  
3/32" TO 1/8"\*\*

\* Refer to material recommendations below.

## ALLOY STEEL BAND SAW BLADES

CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH	LENGTH
<b>ALLOY STEEL BLADES</b> Give greater blade life and sustain higher shock than carbon steel blades and cut a wider range of materials including tough alloys and structural steel					
48-39-0250	1	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mid steel; and tougher steels including chrome and tungsten steels at slow speed	3/16"-3-3/8"	10	44-7/8"
48-39-0252	100		3/16"-3-3/8"	10	44-7/8"
48-39-0260	1	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mid steel; and tougher steels including chrome, tungsten steels and electric cable at slow speed	5/32"-1/2"	14	44-7/8"
48-39-0262	100		5/32"-1/2"	14	44-7/8"
48-39-0270	1	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels including chrome and tungsten steels at slow speed	1/8"-1/4"	18	44-7/8"
48-39-0272	100		1/8"-1/4"	18	44-7/8"
48-39-0280	1	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels at slow speed	3/32"-1/8"	24	44-7/8"
48-39-0282	100		3/32"-1/8"	24	44-7/8"

**HIGH  
PERFORMANCE  
CONTRACTORS  
SAWS**



**NO.  
6365**

**7-1/4"**



Rip Guide easily attached and held firmly. Available as an accessory.



Clear Line Sighting... operator sees exactly where blade will cut.



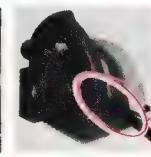
Graduated lip on shoe for fast set-up of rip-cuts.



One knob adjustment for height and one knob adjustment for angle. Special Trigger Switch - Handle. Designed for maximum control when carrying and when sawing.



Rear and side sawdust chute ejects sawdust away from operator and work.



Kinking and wear of cord minimized by rear, center located, Strain Reliever.



**NO. 6405**

**8-1/4"**

**Milwaukee**

**HEAVY-DUTY CIRCULAR SAWS**

**POWERFUL • 13 AMP MOTOR**

**LIGHTWEIGHT HEAVY-DUTY  
BALANCED CONTRACTORS SAWS  
WITH SUPER SAWING FEATURES  
AT AN ECONOMICAL PRICE!**

- All Ball and Roller Bearings
- Serviceable... External Brushes
- Heavy-Duty Construction Throughout... Strong — Non-Conductive Glass Filled Nylon Housing and Handle
- Quick Return, Heavy-Duty, Safety Telescoping Guard. Smooth, Easy Action



BLADE SIZE	CATALOG NUMBER	SAW TYPE	VOLTS	AMPS	NO LOAD SPEED (RPM)	ARBOR	DEPTH OF CUT AT 90°	MAX. DEPTH OF CUT AT 45°	NET WEIGHT	SHP. WEIGHT
7-1/4"	6365★	CONTRACTORS SAW	120	13.0	5800	5/8"	2-7/16"	1-27/32"	12	17
8-1/4"	6405	CONTRACTORS SAW	120	13.0	5800	5/8"	2-15/16"	2-1/8"	13	18

**Standard Equipment:** Includes Combination Saw Blade and 9/16" Wrench.

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

**ACCESSORIES FOR NOS. 6365 AND 6405**

**RIP FENCE KIT**

**NO. 49-22-4100**

Includes Wing Nut Screw No. 06-87-5000

**STEEL  
CASE  
CARRYING**  
**NO. 48-55-1150**  
For 6365 and  
6405 Saws

**MISCELLANEOUS**

**NO. 49-96-6200** 9/16" Utility Wrench

**NO. 49-08-4120** 1 Lb. Can "E" Grease

**SEE PAGES 52 AND 53  
FOR COMPLETE LINE  
OF HEAVY-DUTY MILWAUKEE  
CIRCULAR SAW BLADES**

# HEAVY-DUTY WORM DRIVE SAW

Milwaukee



NO. 6373

7-1/4"

**POWERFUL**

**15 AMP MOTOR**

WITH LAMINATION  
SPECIFICALLY DESIGNED  
FOR HEAVY-DUTY  
APPLICATIONS

- Brush Holders with Positive Brush Stop — Prevents Possible Damage of Commutator.

- Handles Not Part of Motor Housing
- Rigid Steel Wrap-Around Shoe
- Fast, Positive Miter and Depth Adjustments
- Oil Plug at Side of Gear Case for Easy Fill
- Up to 1" Lumber Can Be Used for an Edge Guide on Either Side of Shoe When Ripping Large Panels

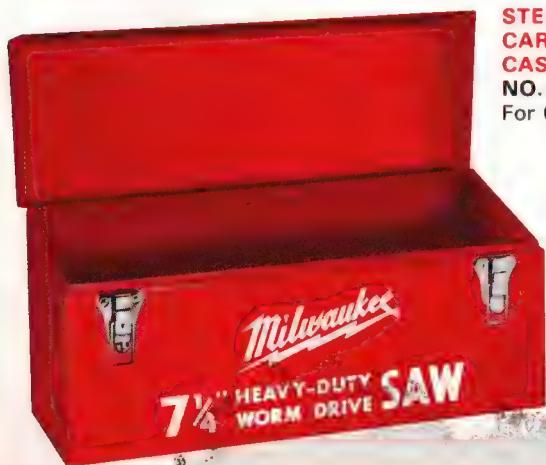
## SPECIFICATIONS

BLADE SIZE	CATALOG NUMBER	SAW TYPE	VOLTS	AMPS	NO LOAD SPEED (RPM)	ARBOR	DEPTH OF CUT AT 90°	MAX. DEPTH OF CUT AT 45°	NET WEIGHT	SHP. WEIGHT
7-1/4"	6373	WORM DRIVE SAW	120	15.0	4400	DIAMOND	0 to 2-3/8"	1-15/16"	15-3/4	22

Standard Equipment: Includes Combination Blade, 9/16" Oil Plug and Blade Wrench, and Lubricant.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS

## ACCESSORIES FOR NO. 6373



STEEL  
CARRYING  
CASE  
NO. 48-55-1100  
For 6373 Saw

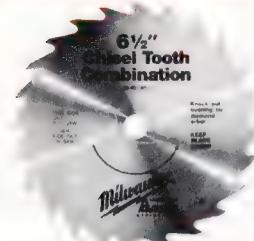
RIP FENCE KIT  
No. 49-22-4110  
Includes Screw No. 06-81-1800  
and Spring No. 40-50-1300.  
  
OIL FOR WORM DRIVE SAW  
NO. 49-32-0050 1/2 Pt. Oil  
NO. 49-32-0060 1 Pt. Oil  
NO. 49-32-0070 1/2 Gal. Oil



SEE PAGES 52 AND 53  
FOR COMPLETE LINE  
OF HEAVY-DUTY MILWAUKEE  
CIRCULAR SAW BLADES

MISCELLANEOUS  
NO. 49-96-6200 9/16" Combination Blade and Oil Plug Wrench

# CIRCULAR SAW BLADES



SAW BLADE	CATALOG NUMBER	NUMBER OF TEETH	BLADE DIA. INCHES	ARBOR HOLE INCHES	RECOMMENDATIONS FOR SAWING
CHISEL TOOTH COMBINATION	48-40-1653■	24	6-1/2	5/8♦	
	48-40-1722■	26	7	5/8	
	48-40-1752■	26	7-1/4	5/8♦	
MASTER COMBINATION	48-40-1760	26	7-1/2	5/8♦	Free-cutting general purpose blade for cutting in any direction. Rips, crosscuts, miters on both hard and soft woods.
	48-40-1812	28	8	5/8♦	
	48-40-1822	30	8-1/4	5/8	
	48-40-1650	48	6-1/2	5/8♦	
	48-40-1700	48	7	5/8	
COMBINATION/ RIP	48-40-1725	60	7-1/4	5/8♦	An all-purpose blade for smooth, fast cutting. Cuts crosscut, rip, miters for general use.
	48-40-1800	48	8	5/8♦	
	48-40-1655■	44	6-1/2	5/8♦	
	48-40-1710	44	7	5/8	
	48-40-1740■	44	7-1/4	5/8♦	
	48-40-1763	44	7-1/2	5/8♦	
CROSSCUT/ FLOORING	48-40-1820	44	8	5/8♦	Most popular all-purpose blade—smooth, fast cutting in frame work, etc.—cut-off, ripping, mitering.
	48-40-1825	44	8-1/4	5/8	
	48-40-1835	36	10-1/4	3/4	
	48-40-5655	100	6-1/2	5/8♦	
	48-40-5725	100	7	5/8	
	48-40-5755	100	7-1/4	5/8♦	
PLYWOOD/ PANELING	48-40-5805	100	8	5/8♦	Cuts hardwoods, flooring and crating fast. Close-set teeth produce smooth-finish and hold edge longer when encountering nails.
	48-40-4655	150	6-1/2	5/8♦	
	48-40-4658	200	7	5/8	
	48-40-4720	200	7-1/4	5/8♦	
	48-40-4800	200	8	5/8♦	
	48-40-7656	48	6-1/2	5/8♦	
PLANERS— HOLLOW GROUND	48-40-7661	48	7	5/8	For plywood, wallboard, masonite, light gauge non-ferrous metals, thin plastics. Fine teeth prevent tearing; holds sawdust to minimum.
	48-40-7725	60	7-1/4	5/8♦	
	48-40-7800	48	8	5/8♦	
	48-40-7656	48	6-1/2	5/8♦	

♦5/8" arbor hole with knockout for diamond arbor.



## BLADE ADAPTERS

Spindle flanges to convert arbors for blades with diamond shaped hole or for 5/8" hole.

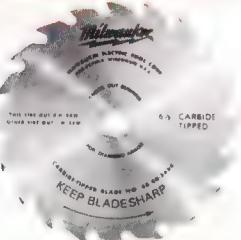
To convert diamond arbor to 5/8" arbor for Worm Drive Saw. (Steel blades only)

Inner Adapter  
Catalog No. 48-03-2400

Outer Adapter  
Catalog No. 48-03-2450  
(both required)

See Your  
**MILWAUKEE**  
**DISTRIBUTOR**  
for Prices on  
Bulk Packaged  
Combination  
Blades

# CIRCULAR SAW BLADES

SAW BLADE	CATALOG NUMBER	NUMBER OF TEETH	BLADE DIA. INCHES	ARBOR HOLE, INCHES	RECOMMENDATIONS FOR SAWING	
	<b>THIN RIM PLYWOOD/ PANELING</b>	<b>48-40-4650</b> <b>48-40-4700</b> <b>48-40-4725</b> <b>48-40-4810</b>	150 200 200 200	6-1/2 7 7-1/4 8	5/8♦ 5/8 5/8♦ 5/8♦	Finest blade for satin-smooth finish on plywood, veneers, laminates, Plexiglass and other thin materials. Use for crosscutting and mitering on cabinet and finish work.
	<b>METAL CUTTING</b>	<b>48-40-6658</b> <b>48-40-6661</b>	80 70	6-1/2 7	5/8♦ 5/8	Hollow ground for cutting metals such as aluminum, magnesium, copper and brass.
	<b>CARBIDE TIPPED</b>	<b>48-40-3650</b> <b>48-40-3700</b> <b>48-40-3750</b> <b>48-40-3820</b>	12 12 12 14	6-1/2 7 7-1/2 8-1/4	5/8 5/8 Diamond 5/8	For wood, Transite, Masonite, asbestos, Formica, composition siding, roofing. Chrome plated. Stays sharp up to 50% longer than steel-tipped blades.
	<b>CARBIDE TIPPED</b>	<b>48-40-3660</b> <b>48-40-3680</b> <b>48-40-3725</b> <b>48-40-3825</b> <b>48-40-3830</b> <b>48-40-3840</b>	20 24 24 24 30 36	6-1/2 7 7-1/4 8-1/4 9 10	5/8♦ 5/8♦ 5/8♦ 5/8♦ 5/8 ▲	Inexpensive line available with 20, 24, 30 and 36 teeth. Carbide teeth are electronically fused to blade for stronger bond. Designed for use by the contractor for wood, Transite, Masonite, asbestos, Formica, siding and roofing.
	<b>ABRASIVE CUTTING WHEELS</b>	<b>FOR STONE OR CONCRETE•</b>				
		<b>49-92-3220</b> <b>49-92-4310</b> <b>49-92-4370</b> <b>49-92-5000</b>		6 7 7-1/4 8	5/8 5/8 Diamond 5/8	For cutting stone or concrete. Safety reinforced nylon...bonded of uniform grit and break resistant.
	<b>ABRASIVE CUTTING WHEELS</b>	<b>FOR METAL•</b>				
		<b>49-92-3020</b> <b>49-92-4300</b> <b>49-92-4380</b> <b>49-92-5010</b>		6 7 7-1/4 8	5/8 5/8 Diamond 5/8	For cutting metal. Safety reinforced nylon...bonded of uniform grit and break resistant.

♦5/8" arbor hole with knockout for diamond arbor

• For 6-1/2" thru 8-1/4" saws

▲ 5/8" arbor hole with 3/4" knockout

## SAW BLADE DISPLAY PACKAGING

Blade type printed clearly on saw blade for fast selection.

Complete Blade Selection, Mounting Instructions and Saw Use Information printed on back of package.



**Milwaukee**

# HEAVY-DUTY JIG SAWS

## 2 MODELS

### SINGLE SPEED

3900 STROKES PER MIN.

### VARIABLE SPEED

WITH TRIGGER SPEED CONTROL  
0 TO 3900 STROKES PER MIN.

### MILWAUKEE JIG SAW FEATURES:

- PIVOTING HEAD

Cutting head is adjustable—right or left—to full 45° angle... calibrated settings.



- TURN AND LOCK SHOE

Shoe quickly adjusts for straight, miter or flush cuts... adaptable for every sawing application.



- 3/4" BLADE STROKE

- SAWDUST BLOWER  
KEEPS CUTTING  
LINES FREE

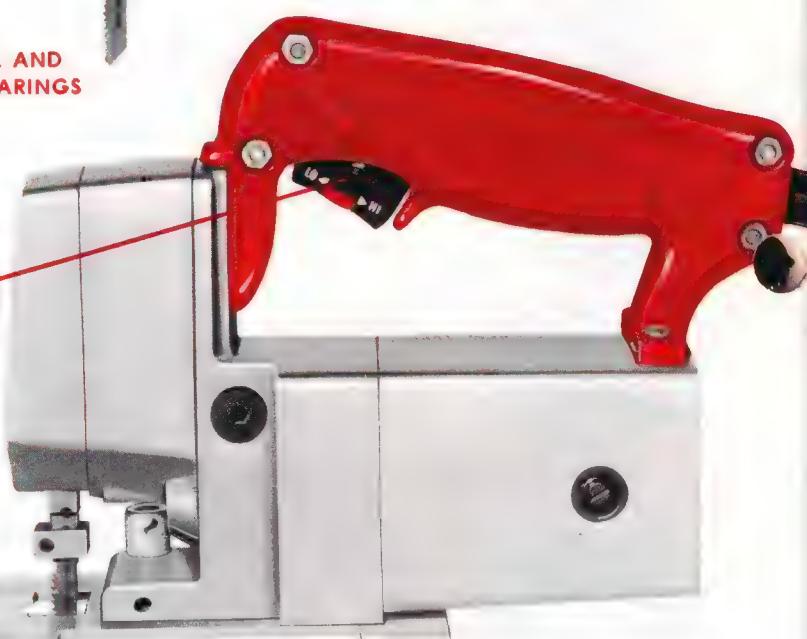
- POWERFUL HEAVY-DUTY MOTOR

**Milwaukee**



**SINGLE SPEED JIG SAW**  
**NO. 6272 (with case)**  
**NO. 6252 (less case)**

ALL BALL AND  
ROLLER BEARINGS



**VARIABLE SPEED JIG SAW**  
**NO. 6287 (with case)**  
**NO. 6282 (less case)**



### JIG SAW SPECIFICATIONS

CATALOG NUMBER	VOLTS	AMPS	STROKES PER MIN.	LGTH.	W.	HT.	NET WGT. (LBS.)	SHP. WGT. (LBS.)
<b>SINGLE SPEED JIG SAW</b>								
6272 With Case	120 AC	2.3	3900	8-1/2"	3-1/2"	6-1/2"	5	14-1/2
6252 Less Case ★	120 AC	2.3	3900	8-1/2"	3-1/2"	6-1/2"	5	8
<b>VARIABLE SPEED JIG SAW</b>								
6287 With Case	120 AC ONLY	2.3	0-3900	8-1/2"	3-1/2"	6-1/2"	5	14-1/2
6282 Less Case	120 AC ONLY	2.3	0-3900	8-1/2"	3-1/2"	6-1/2"	5	8

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

Standard equipment includes Jig Saw Blade Card No. 49-22-1160 for wood and metal—a total of 10 blades. Also included are a combination circle and rip guide, two socket wrenches, an extra blade clamp screw and one No. 48-66-4080 key holder.

### WRENCH AND SCREW KITS

**NO. 49-22-5070** For Jig Saws serial no. 281-11240 (single speed) and above and serial no. 334-1415 (variable speed) and above. Consists of five No. 49-96-0050 3/32" Socket Wrenches for blade clamp, five No. 49-96-0080 3/16" Socket Wrenches for pivoting head and shoe adjustments. Also twenty blade clamp screws No. 06-83-2430.

**NO. 49-22-5060** For Jig Saws below serial no. 281-11240 (single speed) and serial no. 334-1415 (variable speed). Consists of five No. 49-96-0060 1/8" Socket Wrenches for blade clamp, five No. 49-96-0080 3/16" Socket Wrenches for pivoting head and shoe adjustments. Also twenty blade clamp screws No. 06-83-2430.

TYPE "A" GREASE NO. 49-08-0500 1/2 Lb. Can

TYPE "A" GREASE NO. 49-08-0800 1 Lb. Can

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

# JIG SAW BLADES

**UNIVERSAL 1/4" TANG FITS  
MOST BRANDS OF JIG SAWS**

**NEW! See Your MILWAUKEE DISTRIBUTOR  
for Prices on Bulk  
Packaged Jig  
Saw Blades**

CATALOG  
NUMBER  
(BOX OR PKG.)

LGTH.  
(IN.)

TEETH  
PER  
INCH

QTY.  
PER  
PKG.

## MILWAUKEE JIG-SAW BLADES RECOMMENDED FOR CUTTING

### METAL CUTTING...High Speed Steel



48-42-0100◆	2-3/4	12	5	Steel to 1/8", non-ferrous metals to 1/4", plastics, asbestos, fiberglass, rigid conduit, hard rubber and fiber.
48-42-0101◆	2-3/4	12	5	Same as above. 25% thicker for most severe applications.
48-42-0120◆	2-3/4	18	5	Metals 18 Ga. to 10 Ga., tubing, plastics.
48-42-0140◆	2-3/4	21	5	Metals lighter than 18 Ga., thin wall tubing, slate, formica.

### WOOD CUTTING...GENERAL PURPOSE...High Carbon Steel



48-42-0200◆	3-1/8	6	5	Pocket and roughing cuts on heavier sections. Fiberboard, asbestos, asphalt.
48-42-0220◆	3-1/8	8	5	Same as 6 tooth, but for smoother finish.
48-42-0240◆	3-1/8	8	5	Same as above except taper ground for smoothest sawing.

### WOOD CUTTING...FLUSH CUTTING...High Carbon Steel



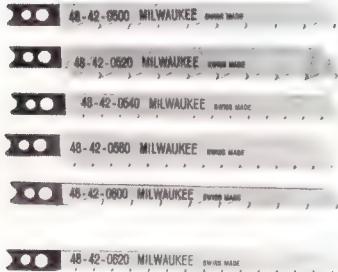
48-42-0300	3-5/8	8	4	Same use as 6 tooth General Purpose. Saws up to a wall.
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### WOOD CUTTING...DELUXE...High Speed Steel



48-42-0400	3-1/8	6	5	"Shear tooth" for fast roughing work on light and medium sections. Pocket cuts.
48-42-0420	3-5/8	8	4	Same as above for fast roughing work on heavier sections.

### WOOD CUTTING...DELUXE TAPER GROUND...High Speed Steel



48-42-0500◆	3-5/8	6	5	Fast finish work on medium sections (1/2"-3/4") of plywood, formica, wood.
48-42-0520◆	3-5/8	6	4	Fast finish work on medium to heavy sections (1/2"-3/4").
48-42-0540◆	3-5/8	10	5	Fast finish work on light sections (1/4") thick of plywood, formica, wood.
48-42-0560◆	3-5/8	10	4	Fast finish work on light to medium sections (1/4"-3/8").
48-42-0600	3-5/8	6	5	Tight smooth scroll work. No distortion on curves. Saws plywood, formica, decorative veneers, plastics, etc. Thickness to 3/4".
48-42-0620	3-5/8	10	5	Same as above to thicknesses of 1/2".

### WOOD CUTTING...DELUXE TAPER GROUND...High Carbon Steel



48-42-0640◆	3-1/4	12	5	Reverse tooth for smooth finish on top surface. Saws plywood, formica, decorative veneers, plastics, etc.
48-42-0650	2-3/4	12	5	Wavy set, extra thin for tight smooth scroll work.

### KNIFE CUTTING...High Carbon Steel



48-42-0700	2-1/2	0	5	Cuts insulating material, leather, rubber, cardboard, sponge, felt, acoustical tile.
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### ABRASIVE MATERIALS...Medium Grit Tungsten Carbide



48-42-0800	2-7/8	0	4	Plywood, hardwood veneer, fiberglass, (polyesters, epoxies, melamines, silicones), ceramic tile, cast stone, slate, clay pipe, carbon, brick, chalkboard.
48-42-0810	4	0	4	Same as above. Flush cuts to a wall.

### ABRASIVE MATERIALS...High Speed Steel



48-42-0850	3-5/8	8	5	Straight cutting in fiberglass, tough abrasive material, asbestos, 1/8"-5/8" non-ferrous metals, synthetics up to 3/4" and plasterboard.
48-42-0860	3-5/8	8	5	Same as above but thinner for fast scroll cutting.

### JIG SAW BLADE MERCHANDISER

### NO. 49-22-1067

Attractive red, white and black header sign on a sturdy red metal frame. 24 product hooks will hold over 100 packages of MILWAUKEE Jig Saw Blades. Complete with 54 packages of blades as listed below.

CATALOG NUMBER	NUMBER OF PACKAGES
48-42-0100	4
48-42-0101	4
48-42-0120	4
48-42-0140	4
48-42-0200	3
48-42-0220	3
48-42-0240	3
48-42-0300	2
48-42-0400	2
48-42-0420	2
48-42-0500	2
48-42-0520	2

CATALOG NUMBER	NUMBER OF PACKAGES
48-42-0540	2
48-42-0560	2
48-42-0600	2
48-42-0620	2
48-42-0640	2
48-42-0650	2
48-42-0700	1
48-42-0800	1
48-42-0810	1
48-42-0850	2
48-42-0860	2



### JIG SAW BLADE CARD NO. 49-22-1160

Same as furnished with each Jig Saw. Consists of one each Nos. 48-42-0100, 0120 and 0140 for metal, and Nos. 48-42-0200, 0220, 0240, 0300, 0400, 0600 and 0640 for wood—a total of 10 blades.

## HEAVY-DUTY ORBITAL SANDERS

- **DIRECT DRIVE... NO GEARS OR BELTS**
- **HIGH SPEED... 10,000 ORBITS PER MINUTE**
- **LEAVES NO SWIRL MARKS**



**NO. 6006**

### **FASTER SANDING**

WITH LARGER SIZE FELT PAD (4-1/2" x 9-1/8")

Use 1/2 of Standard 9" x 11" Sandpaper



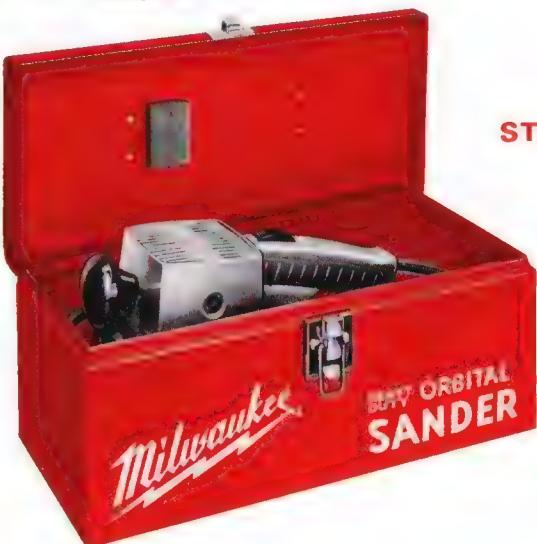
**NO. 6004  
WITH FELT PAD**

PAD SIZE 3-5/8" x 7-3/8"  
Use 1/3 of Standard 9" x 11" Sandpaper

WITH LARGER SIZE FELT PAD (4-1/2" x 9-1/8")

Use 1/2 of Standard 9" x 11" Sandpaper

*Milwaukee*



### **STEEL CARRYING CASE**

**NO. 48-55-0850**

**FOR BOTH MODELS**

Order Steel Carrying Case Separately

### **ACCESSORY**

**NO. 49-22-0050**

#### RUBBER BACKING PAD KIT

For users who prefer a rubber backing pad. Kit consists of rubber pad and backing plate. Easily mounted to 6004 Orbital Sander with 4 screws.

CATALOG NUMBER	VOLTS	AMPS	DESCRIPTION	ORBITS PER MINUTE	DIAMETER OF ORBIT	LENGTH	WIDTH	HEIGHT	NET WEIGHT POUNDS	SHIPPING WEIGHT POUNDS
6004	120	2	WITH FELT PAD 3-5/8" x 7-3/8"	10,000	1/8"	10-1/4"	3-9/16"	5-3/4"	5	9
6006	120	2	WITH FELT PAD 4-1/2" x 9-1/8"	10,000	1/8"	11-1/8"	4-1/2"	5-3/4"	5-1/2	9-1/2

# HEAVY-DUTY BELT SANDERS



## 2 MODELS

3" x 24" MODEL NO. 5900

4" x 24" MODEL NO. 5910

## 4" MODEL SANDS FLUSH

**BEST HEAVY-DUTY PERFORMANCE SANDERS AVAILABLE.  
BELT DRIVE MINIMIZES GEAR MAINTENANCE.  
NO OIL. EXCLUSIVE...FAST CONVERSION  
TO DUST COLLECTION SYSTEM**



CATALOG NUMBER	BELT SPEED S FPM	BELT SIZE	VOLTS	AMPS	NET WGT. LBS.	SHP. WGT. LBS.
5900★	1700	3"	120	9.5	15-3/4	19
5910★	1700	4"	120	9.5	16	19

★ Available in 240 Volts. Add -2 after Catalog Number.

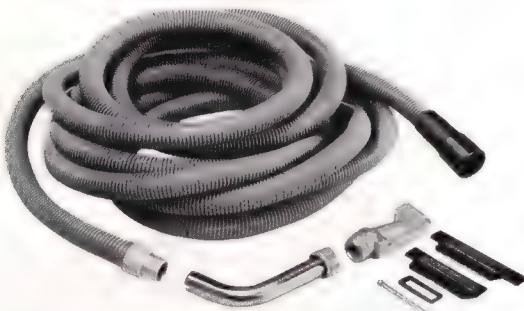
**STANDARD EQUIPMENT:** Cat. Nos. 5900 and 5910 are furnished with (1) 120 grit sanding belt.

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS**

### VACUUM HOSE KIT

**NO. 48-09-0210** For both 3" and 4" Models

Kit consists of 30' hose; 49-90-1760, with 1-1/2" cuff for easy attachment to any MILWAUKEE Vacuum Cleaner, rear motor housing cover, gasket, bolt, tube assembly, 3" and 4" vacuum heel.



**SEE PAGES 30 AND 31  
FOR MILWAUKEE VACUUM CLEANERS**

### SANDING BELTS FOR BELT SANDERS



CATALOG NUMBER	SIZE	BELTS PER PKG.	GRIT	TYPE	USE
49-37-3036	3 x 24	10	36	COARSE	For fast sanding of wood and non-ferrous material.
49-37-4036	4 x 24	10	36	COARSE	For fast sanding of wood and non-ferrous material.
49-37-3060	3 x 24	10	60	MEDIUM	For general smoothness of wood or metal.
49-37-4060	4 x 24	10	60	MEDIUM	For general smoothness of wood or metal.
49-37-3120	3 x 24	10	120	FINE	For finish work on wood or metal.
49-37-4120	4 x 24	10	120	FINE	For finish work on wood or metal.

### VACUUM BAG KITS

**NO. 48-09-0100** For 3" Model 5900

**NO. 48-09-0200** For 4" Model 5910

Both kits consist of vacuum bag, rear motor housing cover, bolt, vacuum heel and gasket. Be sure to order proper kit for 3" or 4" model.



# HEAVY-DUTY 3 MODELS: 1.00 HP 8 AMPS 1.50 HP 10 AMPS 2.00 HP 11.5 AMPS ROUTERS

- POWERFUL, LIGHTWEIGHT ROUTERS DESIGNED FOR EXTRA HEAVY-DUTY JOBS

- FUNCTIONAL TRIGGER-HANDLE GROUPING
- OUT-OF-WAY ELECTRIC CORD
- FLAT TOP FOR STEADY POSITIONING

For changing bits, removing base or measuring bit for depth of cut.



## • ACCURATE SIMPLE DEPTH ADJUSTMENT

Adjusting ring, marked in 1/64" graduations, permits friction-free operation with locking device to maintain depth-of-cut.

## • HEAVY-DUTY SUB BASE

With large openings for maximum visibility.

### COLLETS FOR MILWAUKEE ROUTERS

#### — 1.00 H.P. MODEL —

NO. 48-66-0930	1/4" COLLET
NO. 48-66-0940	3/8" COLLET

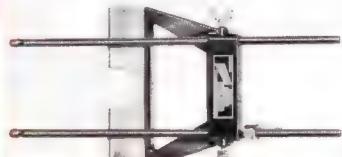
NO. 48-66-0980*	1/4" COLLET
NO. 48-66-0990*	3/8" COLLET

\*For 1.00 H.P. Model with serial no. above 451-12247

#### — 1.50 and 2.00 H.P. MODEL

NO. 48-66-0945	1/4" COLLET
NO. 48-66-0950	3/8" COLLET
NO. 48-66-0955	1/2" COLLET
NO. 48-66-0985*	1/4" COLLET
NO. 48-66-1000*	3/8" COLLET
NO. 48-66-1010*	1/2" COLLET

\*For 1.50 H.P. Model with serial no. above 452-19550 and 2.00 H.P. Model with serial no. above 608-2566



ROUTER GUIDE

### STEEL CARRYING CASE

### STEEL CARRYING CASE FOR MILWAUKEE ROUTERS NO. 48-55-0810

### ROUTER GUIDE NO. 49-54-0200

For straight cuts. Includes Trammel Point Assembly

### TRAMMEL POINT ASSEMBLY NO. 49-54-0210

For cutting circles

### VENEER TRIM KIT NO. 49-54-0300

For cutting hard plastic laminates. Come complete with base, mounting screws, combination straight and bevel trim bit and extra nylon guide



### TRAMMEL POINT ASSEMBLY



VENEER TRIM KIT



DOOR AND JAMB BUTT TEMPLATE KIT

### DOOR AND JAMB BUTT TEMPLATE KIT NO. 49-54-0100

Includes carrying case, template, link rail assemblies, template nails and end gauges. Will mortise any 6'6", 6'8" or 7' door and any hinge size 2-1/2" to 5-1/2". Kit includes detailed instructions for proper use. Additional template nails (12 per package) are available (cat. no. 49-54-0600). Order hinge butt template guide (cat. no. 49-54-0550) separately.

### CARRYING CASE ONLY FOR DOOR AND JAMB BUTT KIT NO. 49-54-0800

### OPEN END WRENCHES (See Standard Equipment)

7/8" OPEN END WRENCH CAT. NO. 49-96-4070

1" OPEN END WRENCH CAT. NO. 49-96-4075

1-1/8" OPEN END WRENCH CAT. NO. 49-96-4080

1-1/4" OPEN END WRENCH CAT. NO. 49-96-4100

**HIGHEST QUALITY  
FOR BEST PERFORMANCE AND LONG LIFE**

MILWAUKEE ROUTER BITS are a select line, made from high-speed steel, carbide tipped and solid carbide steel. Each bit has been carefully evaluated and approved for routing applications with MILWAUKEE routers. Double-ground edges, consistent matching contours, high speed geometry and critical hardness control all add up to maximum accuracy and economy.

**STRAIGHT BITS — TWO FLUTES**

For all general purpose routing (rabbeting, grooving, dadoing, etc.). Smooth finish cuts. Use long shank bits where nature of cut requires longer shank extension

**HIGH SPEED STEEL**

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0050	1/4	5/8	1	1/4
48-23-0060	5/16	3/4	1-1/4	1/4
48-23-0070	3/8	3/4	.1	1/4
48-23-0080	1/2	3/4	1	1/4
48-23-0085	9/16	1	1-1/4	1/4
48-23-0090	5/8	5/8	1	1/4
48-23-0100	3/4	5/8	1	1/4

**CARBIDE TIPPED**

CATALOG NUMBER	A	B	C	D
48-23-5055	1/4	5/8	1	1/4
48-23-5056	1/4	7/8	1-1/4	1/4
48-23-5065	5/16	7/8	1-1/4	1/4
48-23-5070	3/8	1	1-1/2	1/4
48-23-5080	1/2	1	1-1/2	1/4
48-23-5141	1/2	1-1/4	1-3/8	1/2
48-23-5142	1/2	2	1-7/8	1/2
48-23-5090	5/8	3/4	1-1/4	1/4
48-23-5100	3/4	3/4	1-1/4	1/4
48-23-5150	3/4	3/4	1-3/8	1/2

**COMBINATION STRAIGHT AND 22° BEVEL TRIM BIT**

Combines 22° bevel trim and flush trim cuts in one bit

**CARBIDE TIPPED**

CATALOG NUMBER	A	D
48-23-6715	22	1/4

**7-1/2° BEVEL TRIMMER**

With pilot. For finish trim edge on plastic laminate doors, tables and furniture

**SOLID CARBIDE**

CATALOG NUMBER	A DEGREES	C IN.	D IN.
48-23-5195	7-1/2	1-5/8	1/4

**FLUSH TRIM BIT**

With pilot. Produces square, flush edge on plastic laminates.

**SOLID CARBIDE**

CATALOG NUMBER	A IN.	C IN.	D IN.
48-23-5235	1/4	1-5/8	1/4

**PROVINCIAL DESIGN VEINER BITS**

Most practical for veining designs on panels, cabinet doors and furniture.

**SOLID CARBIDE**

CATALOG NUMBER	A IN.	C IN.	D IN.
48-23-5295	1/8	1-1/2	1/4
48-23-5300	3/16	1-1/2	1/4

**HELIX LAMINATE TRIMMERS**

Designed to force the laminate against backing for chip free cuts — eliminates surface flake out. Replaceable ball bearing pilot.

**CARBIDE TIPPED**

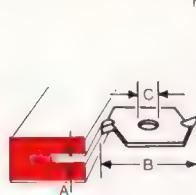
CATALOG NUMBER	TYPE OF CUT	A IN.	B IN.	C IN.	D IN.
48-23-6700	Flush	3/4*	5/8	1	1/4
48-23-6710	15°	3/4*	3/8	1	1/4

\*Replaceable Bearing 49-54-1050.

# HEAVY-DUTY ROUTER BITS

## TWO WING SLOTTING CUTTERS

Used for slotting plywoods and core boards for "T" moldings



CATALOG NUMBER	A IN.	B IN.	C IN.
48-23-8000	1/16	1-7/8	5/16
48-23-8020	3/32	1-7/8	5/16
48-23-8030	1/4	1-7/8	5/16

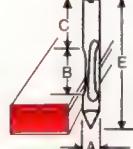
\*Stiffening Collars included with Slotting Cutters — two each for 1/16", 5/64" and 3/32" and one for 1/4".

NOTE  
USE ABOVE WITH  
SLOTTING CUTTER ARBOR  
Catalog No. 48-23-8050

Includes 1/4" shank Slotting Cutter Arbor, Nut Washer and Bearing  
Replacement Arbor Bearing No. 49-54-1080.

## COMBINATION PILOT PANEL BITS WITH DRILL POINTS — SINGLE FLUTE

For trimming veneer and for template panel routing



### HIGH SPEED STEEL

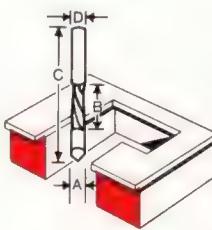
CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.
48-23-1010	1/4	3/4	1	1/4	2-5/8
48-23-1015	3/8	7/8	1	3/8	3

### CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-6000	1/4	3/4	1-1/4	1/4
48-23-6020	3/8	7/8	1-1/4	3/8

## DOWN SPIRAL PILOT PANEL BITS WITH DRILL POINTS

For cutting aluminum sheet, plywood, wall panels, insulation sheeting and other synthetic materials



### HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1020	1/4	3/4	2-5/8	1/4
48-23-1025	3/8	7/8	3-1/2	3/8
48-23-1030	1/2	1-3/4	4-1/2	1/2

## ROUTER BITS CONTINUED ON PAGE 60

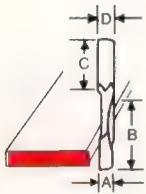


### ROUTER BIT MERCHANDISER NO. 49-22-0100

Attractive red, white and black header sign on a sturdy metal frame. 24 product hooks will hold over 100 packages of MILWAUKEE Router Bits Complete with 24 packages of bits as listed below

CATALOG NUMBER	DESCRIPTION
48-23-0050	1/4 IN. TWO FLUTES STRAIGHT BIT — High Speed Steel
48-23-0070	3/8 IN. TWO FLUTES STRAIGHT BIT — High Speed Steel
48-23-0080	1/2 IN. TWO FLUTES STRAIGHT BIT — High Speed Steel
48-23-0100	3/4 IN. TWO FLUTES STRAIGHT BIT — High Speed Steel
48-23-0220	1/2 IN. TWO FLUTES CORE BOX BIT — High Speed Steel
48-23-0320	3/8 IN. TWO FLUTES COVE BIT — High Speed Steel
48-23-0430	3/8 IN. CORNER ROUNDING BIT — High Speed Steel
48-23-0520	1/4 IN. TWO FLUTES BEADING BIT — High Speed Steel
48-23-0600	3/8 IN. V-GROOVING BIT — High Speed Steel
48-23-0810	1/4 IN. ROMAN Ogee BIT — High Speed Steel
48-23-0910	9/32 IN. Ogee BIT — High Speed Steel
48-23-1010	1/4 IN. COMBINATION PILOT PANEL BIT — High Speed Steel
48-23-1020	1/4 IN. DOWN SPIRAL PILOT PANEL BIT — High Speed Steel
48-23-1120	1/2 IN. HINGE MORTISING BIT — High Speed Steel
48-23-1200	1/2 IN. TWO FLUTES CHAMFERING BIT — High Speed Steel
48-23-1310	9/16 IN. DOVETAIL BIT — High Speed Steel
48-23-1410	3/8 IN. RABBETING BIT — High Speed Steel
48-23-5055	1/4 IN. TWO FLUTES STRAIGHT BIT — Carbide Tipped
48-23-5070	3/8 IN. TWO FLUTES STRAIGHT BIT — Carbide Tipped
48-23-5080	1/2 IN. TWO FLUTES STRAIGHT BIT — Carbide Tipped
48-23-5235	1/4 IN. FLUSH TRIM BIT — Solid Carbide
48-23-5295	1/8 IN. PROVINCIAL DESIGN VEINER BIT — Solid Carbide
48-23-6020	3/8 IN. COMBINATION PILOT PANEL BIT — Carbide Tipped
48-23-6100	1/2 IN. HINGE MORTISING BIT — Carbide Tipped

# HEAVY-DUTY ROUTER BITS

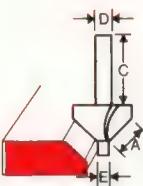


## STAGGER TOOTH STRAIGHT BIT

Excellent for cut outs. This design gives the bit two flute balance with single flute cutting speed.

### CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-5143	1/2	2	1-5/8	1/2



## CHAMFERING BITS — TWO FLUTES

With pilot. For decorative edging and making concealed joints. Carbide tip bit has replaceable ball bearing pilot.

### HIGH SPEED STEEL

CATALOG NUMBER	A IN.	C IN.	D IN.	E IN.
48-23-1200	1/2	1	1/4	3/16

### CARBIDE TIPPED

48-23-6200	5/8	1	1/4	*
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\* Replaceable Bearing 49-54-1090.

## CORNER ROUNDING BITS

With pilot. For decorative edging and for drop leaf table joints. Carbide tip bits have replaceable ball bearing pilot.

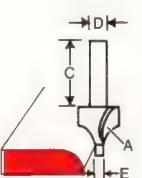
### HIGH SPEED STEEL

CATALOG NUMBER	A IN. RADIUS	C IN.	D IN.	E IN.
48-23-0410	1/4	1	1/4	3/16
48-23-0430	3/8	1	1/4	3/16
48-23-0440	1/2	1	1/4	3/16

### CARBIDE TIPPED

48-23-5410	1/4	1-1/8	1/4	*
48-23-5430	3/8	1-1/8	1/4	*

\* Replaceable Bearing 49-54-1060 . . . Converts to Beading Bit by substituting Bearing No. 49-54-1070.



## HINGE MORTISING BITS

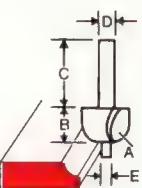
Fast cutting bit for making mortises when cut is started from edge of work

### HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1100	3/8	7/16	1-1/8	1/4
48-23-1120	1/2	3/4	1-5/16	1/4

### CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-6100	1/2	3/4	1-7/32	1/4

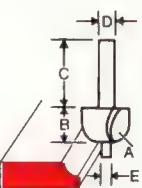


## CORE BOX BITS — TWO FLUTES

Especially effective in fluting flat surfaces (mantels and facades)

### HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0200	1/4	1/4	1	1/4
48-23-0210	3/8	1/4	1	1/4
48-23-0220	1/2	11/32	1	1/4
48-23-0230	5/8	3/8	1	1/4
48-23-0240	3/4	15/32	1	1/4

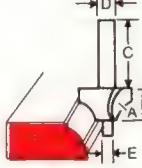


## COVE BITS — TWO FLUTES

With pilot. For decorative edging and for drop leaf table joints

### HIGH SPEED STEEL

CATALOG NUMBER	A IN. RADIUS	B IN.	C IN.	D IN.	E IN.
48-23-0310	1/4	1/2	1	1/4	3/16
48-23-0320	3/8	5/8	1	1/4	3/16
48-23-0330	1/2	3/4	1	1/4	3/16

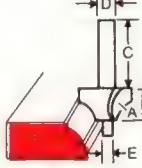


## DOVETAIL BITS

For making dovetail

### HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1310	9/16	17/32	1-3/32	1/4



## RABBETING BITS

With pilot. For making rabbeting cuts without use of router guide. Carbide tip bit has replaceable ball bearing pilot

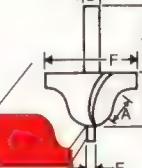
### HIGH SPEED STEEL

CATALOG NUMBER	RABBIT DEPTH IN.	A IN.	B IN.	C IN.	D IN.	E IN.
48-23-1400	1/4	11/16	7/16	1	1/4	3/16
48-23-1410	3/8	15/16	1/2	1	1/4	3/16

### CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.
48-23-6400	3/8	1-1/4	1/2	1-1/2	1/4

\* Replaceable Bearing 49-54-1070 . . . Converts to Corner Rounding Bit by substituting Bearing 49-54-1060.

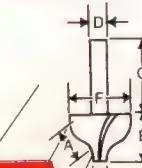


## ROMAN OGEЕ BITS

With pilot. For decorative furniture. Pilot guides router along edge of work

### HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.	F IN.
48-23-0800	5/32	1/2	1	1/4	3/16	15/16
48-23-0810	1/4	3/4	1	1/4	3/16	1-3/16

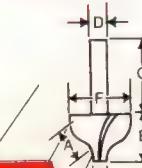


## V-GROOVING BITS

Excellent for lettering and sign work

### HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0600	3/8	1/2	1	1/4
48-23-0610	7/8	1-1/8	1	1/4



## OGEE BITS

For decorative cuts. Clamp straight edge or template on the work and use as a guide for the outside edge of router base.

### HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.	F IN.
48-23-0900	3/16	5/8	1	1/4	3/16	13/16
48-23-0910	9/32	29/32	1	1/4	3/16	1-3/16

# HEAVY-DUTY POLISHERS

## 3 MODELS

**7" DIAMETER**  
1750 RPM  
2800 RPM

**9" DIAMETER**  
1450 RPM

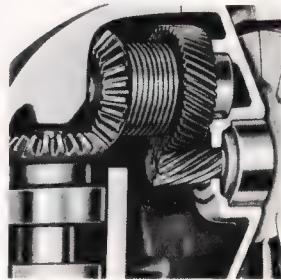
### NYLON HANDLE

Non-conductive, glass filled nylon handle for greater operator safety and control. Specially contoured to reduce cord wear.



ALL BALL AND  
ROLLER BEARINGS

ALL MODELS  
WITH EXCLUSIVE  
SPRING LOADED  
DRIVE MECHANISM



Prevents harmful backlash shock of unbalanced pads to drive mechanism — won't slip under load — greatly extends gear life.

## MILWAUKEE HEAVY-DUTY POLISHER ACCESSORIES

### BONNET CLEANING TOOL NO. 49-80-0050

Quickly fluffs, cleans, buffing pads and bonnets while pads are rotating. Removes glazed surface and loosens packed wool to prolong life. Shp. Wt. 1 lb.



### MOLDED RUBBER BACKING PAD



### POLISHING PAD



### LAMBSWOOL PAD



### LAMBSWOOL BONNET



CATALOG NUMBER	PAD DIA.	VOLTS	AMPS	SPEED NO LOAD (RPM)	LENGTH (INS.) +	NET WGT. LBS.	SHP. WGT. LBS.
5450	7"	120	9	1750	14-1/2	9-1/4	16
5530	7"	120	9	2800	14-1/2	9-1/4	16
5590	9"	120	10	1450	15-1/4	12-3/4	20

+ Over-all length of tool only — not including pad.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

**7" Dia. Cat. No. 5450** Lightweight polisher, 1750 RPM used with standard liquid polishes. Standard equipment includes rubber backing pad and disc nut.

**7" Dia. Cat. No. 5530** Lightweight polisher, 2800 RPM for exclusive use with high speed liquid machine polishes. Standard equipment includes rubber backing pad and disc nut.

**9" Dia. Cat. No. 5590** More powerful polisher, 1450 RPM. Handles the larger diameter pads and bonnets. Especially recommended for rubbing and compounding. Standard equipment includes rubber backing pad and disc nut.

### CATALOG NUMBER

**49-36-2500**

**49-36-2200**

**49-40-0160**

**49-36-1450**

**49-36-1455**

**49-36-1600**

**49-36-0500**

**49-36-0700**

**48-48-0500**

**48-48-1000**

**49-08-1000**

### DESCRIPTION

7" dia. Molded Rubber Pad

8-1/2" dia. Molded Rubber Pad

Disc nut

7-1/2" dia. Polishing Pad, 1-1/2" pile

7-1/2" dia. Polishing Pad, 2" pile

9" dia. Polishing Pad

7" dia. Lambswool Pad

9" dia. Lambswool Pad

7" dia. Lambswool Bonnet

9" dia. Lambswool Bonnet

Type "C" Grease 1 lb. Can

# NEW 5 AMP HEAVY-DUTY 4-1/2" SANDER/GRINDER

## POWERFUL! LIGHTWEIGHT! COMPACT!

### 10,000 RPM!

THE MILWAUKEE 4-1/2" SANDER/GRINDER MAY BE CONVERTED TO A SANDER BY USING SANDER ACCESSORIES SHOWN ON PAGE 63. ALWAYS USE WHEEL GUARD FOR GRINDING APPLICATIONS.

#### BRUSH HOUSING

- Extends brush life more than conventional units
- Turns off motor automatically when brushes are worn
- Easily accessible in motor housing

#### GLASS FILLED NYLON MOTOR HOUSING

- Lightweight
- Cooler operation
- Comfortable



5 AMP  
10,000 RPM  
4-1/2"  
SANDER  
GRINDER

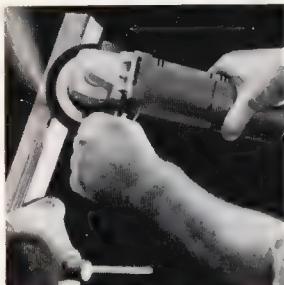
**6145**

#### AC-DC PADDLE SWITCH

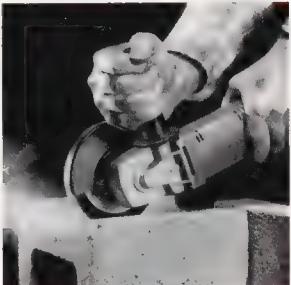
- AC or DC operation
- Non-conductive switch cover for greater operator safety
- Conveniently mounted for one hand operation

#### SINGLE SCREW GUARD

- Safe and convenient
- Install and position by turning a single screw



Easy, precision Grinding. Weighs only 4-1/2 pounds without guard and disc. More comfort and less user fatigue than with larger, heavier grinders.



Use this tool where other Sander/Grinders won't reach. For grinding, sanding metal and masonry work.

#### ALL BALL AND ROLLER BEARINGS

#### POWERFUL MOTOR

- 5 amp 1/2 horsepower motor
- Computer optimized design
- Armature windings and laminations are insulated from shaft for maximum protection against grounds
- Armatures are dynamically balanced for smooth efficient operation

MADE IN U.S.A.



STEEL  
CARRYING CASE FOR  
MILWAUKEE 4-1/2"  
SANDER/GRINDER  
NO. 48-55-0885

\* When used as a grinder, guard must be used for O.S.H.A. compliance.

▲ Flange designed to accommodate 7/8" hub depressed center wheel.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

#### STANDARD EQUIPMENT

#### FOR MODEL 6145 —

Grinding wheel guard assembly No. 49-12-0320. One 4-1/2" x 1/4" x 7/8" 24 grit aluminum oxide grinding wheel No. 49-94-3300. 3/4" open end wrench No. 49-96-4078 and spanner wrench No. 49-96-7200. Flange No. 49-05-0040 and flange nut No. 49-05-0050. Side handle No. 49-15-0250.

#### TYPE "C" GREASE

1 lb. can NO. 49-08-1000

# HEAVY-DUTY 4-1/2" GRINDER ACCESSORIES

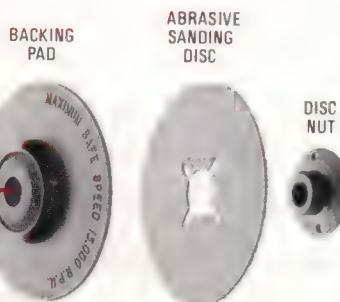
**CAUTION: ALWAYS USE SAFETY ATTACHMENT AS ILLUSTRATED. SAFETY GUARDS REQUIRED. WEAR SAFETY GOGGLES.**

**NOTE: THE MAXIMUM SAFE OPERATING SPEED SHOWN ON THE GRINDING WHEELS MUST BE GREATER THAN THE NO LOAD SPEED OF THE TOOL.**

GUARD	DEPRESSED CENTER GRINDING DISC WITH 7/8" REINFORCED ARBOR HOLE	CATALOG NUMBER (10 WHEELS PER BOX)	DESCRIPTION	MAXIMUM SAFE SPEED RPM
<b>ALUMINUM OXIDE DISCS FOR METAL</b>				
GRINDING DISCS HAVE 7/8" REINFORCED ARBOR HOLE				
49-94-3300	<b>BOX OF 10</b>	24 GRIT	4-1/2" x 1/4"	12,500
49-94-3310		24 GRIT	4-1/2" x 1/8"	12,500
<b>SILICON CARBIDE DISCS FOR STONE OR CONCRETE</b>				
49-94-3320	<b>BOX OF 10</b>	24 GRIT	4-1/2" x 1/4"	12,500
49-94-3330		24 GRIT	4-1/2" x 1/8"	12,500
<b>GUARD FOR REINFORCED GRINDING DISCS</b>				
49-12-0320		Fits 4-1/2" Grinder		
<b>NO. 49-05-0050 FLANGE NUT</b>				

# HEAVY-DUTY 4-1/2" SANDER ACCESSORIES

**CAUTION: ALWAYS USE BACKING DISC AS ILLUSTRATED. FOR SAFETY AND EFFICIENT OPERATION WEAR SAFETY GOGGLES.**



## BACKING PAD ASSEMBLY

**NO. 49-36-3450** 4-1/2" diameter. Maximum speed 13,000 RPM. Includes backing pad, disc nut, and one each of 36 and 60 grit sanding discs.

The MILWAUKEE Backing Pad Assembly is designed especially for use with 4-1/2" Sander/Grinder. The flexible backing pad is perfectly balanced for precise and efficient sanding and has a steel hub for easy installation.

**DISC NUT NO. 49-40-0370**  
Disc nut only...as furnished with Backing Pad Assembly



## ABRASIVE SANDING DISCS PACKED AND SOLD ONLY IN BOXES OF 10



Specially selected extra hard aluminum oxide grits are applied with plastic adhesive to rigid fiber backing for long life . . . will not crack, curl or tear. They are waterproof and can be scrubbed for reuse.

CATALOG NUMBER  
(10 PER BOX)

BOX	24 GRIT	MAX. SPEED 13000 RPM
OF	36 GRIT	MAX. SPEED 13000 RPM
10	60 GRIT	MAX. SPEED 13000 RPM
	80 GRIT	MAX. SPEED 13000 RPM
	120 GRIT	MAX. SPEED 13000 RPM

## MISCELLANEOUS ACCESSORIES



**SPANNER WRENCH**  
NO. 49-96-7200



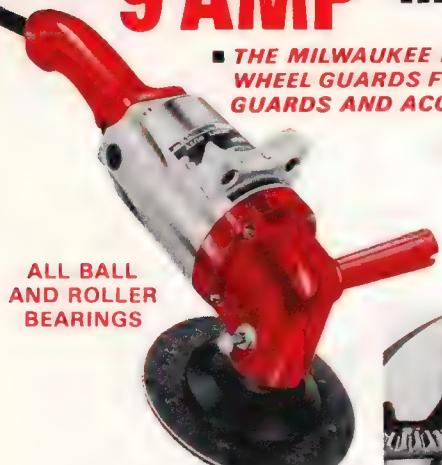
**3/4" WRENCH**  
NO. 49-96-4078



**SIDE HANDLE**  
NO. 49-15-0250

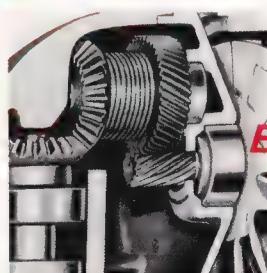
# 9 AMP HEAVY-DUTY DISC SANDER\*

■ THE MILWAUKEE DISC SANDER MAY BE CONVERTED TO ANGLE GRINDER BY USING THE PROPER WHEEL GUARDS FOR GRINDING OPERATIONS. SEE PAGES 67 and 68 FOR DISC ASSEMBLIES, WHEEL GUARDS AND ACCESSORIES.



ALL BALL  
AND ROLLER  
BEARINGS

9 AMP  
3000 RPM  
**6032**



## POWERFUL MOTOR

- Lamination, specifically designed for heavy duty portable tool application.
- Reduced arcing at brushes, promoting longer brush and commutator life.

## PLUS MILWAUKEE FEATURES:

HEAVY-DUTY METAL TOOL REST absorbs shock — prevents damage to housing.

## EXCLUSIVE

### SPRING LOADED DRIVE MECHANISM

Prevents harmful backlash shock of heavy or unbalanced grinding wheels to drive mechanism — won't slip under load — greatly extends gear life.

CATALOG NUMBER	SPEED RPM	DISC DIAMETER	VOLTS AC-DC	AMPS	MAXIMUM MOTOR POWER OUTPUT H.P.	SPINDLE THREAD SIZE	LENGTH LESS DISC	NET WEIGHT	SHIPPING WEIGHT
<b>6032‡</b>	3000	7"	120	9.0	1.0	5/8"-11	14-1/2"	9-1/4 lbs.	16 lbs.

‡ Not recommended for use with grinding wheels.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## STANDARD EQUIPMENT

FOR MODEL 6032 —

7" Phenolic backing disc, rubber backing pad and disc nut.



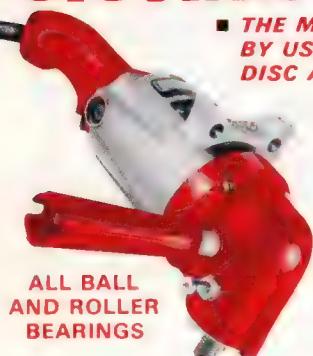
STEEL  
CARRYING CASE  
FOR MILWAUKEE  
DISC SANDER  
NO. 48-55-0875

TYPE "C" GREASE  
1 lb. can NO. 49-08-1000



# 9.5 AMP HEAVY-DUTY LIGHTWEIGHT SANDER/GRINDER\*

■ THE MILWAUKEE LIGHTWEIGHT SANDER/GRINDER MAY BE CONVERTED TO AN ANGLE GRINDER BY USING THE PROPER WHEEL GUARDS FOR GRINDING OPERATIONS. SEE PAGES 67 and 68 FOR DISC ASSEMBLIES, WHEEL GUARDS AND ACCESSORIES.



ALL BALL  
AND ROLLER  
BEARINGS

9.5 AMP  
5000 RPM  
**6036**

## POWERFUL MOTOR

- Lamination, specifically designed for heavy duty portable tool application.
- Field windings completely encased in hard epoxy shell for protection against abrasion and grounds.
- Armature windings and laminations insulated from shaft for maximum protection against grounds.

## PLUS MILWAUKEE FEATURE:

HEAVY-DUTY METAL TOOL REST absorbs shock — prevents damage to housing.

CATALOG NUMBER	SPEED RPM	DISC DIAMETER	VOLTS AC-DC	AMPS	MAXIMUM MOTOR POWER OUTPUT H.P.	SPINDLE THREAD SIZE	LENGTH LESS DISC	NET WEIGHT	SHIPPING WEIGHT
<b>6036*</b>	5000	7"	120	9.5	1.3	5/8"-11	14-1/2"	9-1/4 lbs.	16 lbs.

\* When used as a grinder, guard must be used for O.S.H.A. compliance.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## STANDARD EQUIPMENT

FOR MODEL 6036 —

Less disc assembly and sanding discs. Disc retaining nut supplied.  
Order all other accessories separately.

STEEL  
CARRYING CASE  
FOR MILWAUKEE  
LIGHTWEIGHT  
SANDER/GRINDER  
NO. 48-55-0875

TYPE "C" GREASE  
1 lb. can NO. 49-08-1000



# 13 AMP HEAVY-DUTY SANDER/GRINDERS\*

MILWAUKEE SANDER/GRINDERS MAY BE CONVERTED TO ANGLE GRINDERS BY USING THE PROPER WHEEL GUARDS FOR GRINDING OPERATIONS. SEE PAGES 67 and 68 FOR DISC ASSEMBLIES, WHEEL GUARDS AND ACCESSORIES.



ALL BALL  
AND ROLLER  
BEARINGS

13 AMP  
5000 RPM  
**6082**

13 AMP  
6000 RPM  
**6084**

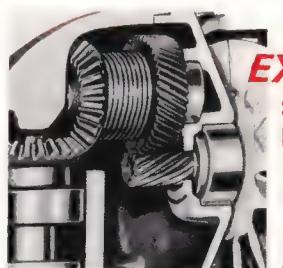
13 AMP  
5000 RPM  
**6022**

13 AMP  
5000 RPM  
**6062**

13 AMP  
5000 RPM  
**6102**

## POWERFUL MOTORS

- Lamination, specifically designed for heavy duty portable tool application.
- Field windings completely encased in hard epoxy shell for protection against abrasion and grounds.
- Armature windings and laminations insulated from shaft for maximum protection against grounds.



## EXCLUSIVE SPRING LOADED DRIVE MECHANISM

Prevents harmful backlash shock of heavy or unbalanced grinding wheels to drive mechanism — won't slip under load — greatly extends gear life.

## PLUS MILWAUKEE FEATURES:

BALL BEARING MOUNTED ROTOR ASSEMBLY is dynamically balanced and vibration free.

EXTERNAL BRUSH HOLDERS permit inspection and replacement of brushes without disassembly of grinders.

HEAVY-DUTY URETHANE TOOL REST absorbs shock — prevents damage to housing.

CATALOG NUMBER	SPEED RPM	DISC DIAMETER	VOLTS AC-DC	AMPS	MAXIMUM MOTOR POWER OUTPUT H.P.	SPINDLE THREAD SIZE	LENGTH LESS DISC	NET WEIGHT	SHIPPING WEIGHT
6082*†	5000	9"	120	13.0	2.25	5/8"-11	16-1/2"	12 lbs.	16-3/4 lbs.
6084*†	6000	7"	120	13.0	2.25	5/8"-11	16-1/2"	12 lbs.	16-3/4 lbs.
6022*	5000	7"	120	13.0	2.25	5/8"-11	16-1/2"	13 lbs.	18 lbs.
6062*	5000	9"	120	13.0	2.25	5/8"-11	16-1/2"	13-1/4 lbs.	18 lbs.
6102	5000	9"	120	13.0	2.25	5/8"-11	16-1/2"	15 lbs.	19-3/4 lbs.

\* Available in 240 Volts AC-DC Add -2 after Catalog Number when ordering

† When used as a grinder, guard must be used for O.S.H.A. compliance

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## STANDARD EQUIPMENT

### FOR MODELS 6082 and 6084 —

Less disc assembly and sanding discs. Order all other accessories separately.

### FOR MODEL 6022 —

7" phenolic resin backing disc assembly and disc retaining nut. One each 36 and 60 grit 7" diameter sanding disc.

### FOR MODEL 6062 —

9" phenolic resin backing disc assembly and disc retaining nut. One each 36 and 60 grit 9" diameter sanding disc.

### FOR MODEL 6102 —

9" x 1/4" flat rough reinforced grinding disc. Steel guard No. 49-12-0090.

STEEL  
CARRYING CASE  
FOR MILWAUKEE  
SANDER/GRINDERS  
NO. 48-55-0875



TYPE "C" GREASE  
1 lb. can NO. 49-08-1000

# 15 AMP HEAVY-DUTY SANDER/GRINDERS\*

MILWAUKEE SANDER/GRINDERS MAY BE CONVERTED TO ANGLE GRINDERS BY USING THE PROPER WHEEL GUARDS FOR GRINDING OPERATIONS. SEE PAGES 67 and 68 FOR DISC ASSEMBLIES, WHEEL GUARDS AND ACCESSORIES.



## POWERFUL MOTORS

- Lamination, specifically designed for heavy-duty portable tool application.
- Exceptional power to size ratio.
- Cooler operation.
- Computer optimized winding design.

## PLUS MILWAUKEE FEATURES:

BALL BEARING MOUNTED ROTOR ASSEMBLY is dynamically balanced and vibration free.

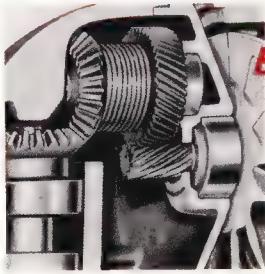
EXTERNAL BRUSH HOLDERS permit inspection and replacement of brushes without disassembly of grinders.

REMOVABLE SIDE HANDLE for use with either side of grinder.

LARGE FAN AND EXHAUST PORTS direct air over disc—dissipates heat and keeps work area free of dust and grit.

HEAVY-DUTY URETHANE TOOL REST absorbs shock—prevents damage to housing.

## EXCLUSIVE SPRING LOADED DRIVE MECHANISM



Prevents harmful backlash shock of heavy or unbalanced grinding wheels to drive mechanism—won't slip under load—greatly extends gear life.

## 300% LONGER BRUSH LIFE

Up to 300% longer brush life than previous units. More efficient motor design results in lower brush wear.

## NYLON HANDLES

Non-conductive handles for greater operator safety and control. Specially contoured to reduce cord wear.

## STRAIN RELIEVER CORD

New heavier-duty strain relief and 14 ga. cord sets.

## MORE COMPACT... LIGHTER IN WEIGHT

than competitive models.

CATALOG NUMBER	SPEED RPM	DISC DIAMETER	VOLTS	AMPS	MAXIMUM MOTOR POWER OUTPUT H.P.	SPINDLE THREAD SIZE	LENGTH LESS DISC	NET WEIGHT	SHIPPING WEIGHT
6086*†	5000	9"	120 AC-DC	15.0	3.00	5/8"-11	16-1/2"	12-1/4 lbs.	17 lbs.
6088*†	6000	7"	120 AC-DC	15.0	3.00	5/8"-11	16-1/2"	12-1/4 lbs.	17 lbs.
6089*	6000	7"	120 AC ONLY	15.0	3.00	5/8"-11	17"	12-1/2 lbs.	17-1/4 lbs.
6104	5000	9"	120 AC-DC	15.0	3.00	5/8"-11	16-1/2"	15-1/4 lbs.	30 lbs.

\*Available in 240 Volts AC-DC. Add -2 after Catalog Number when ordering.

†When used as a grinder, guard must be used for O.S.H.A. compliance.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## STANDARD EQUIPMENT

### FOR MODELS 6086, 6088 and 6089—

Less disc assembly and sanding discs. Disc retaining nut supplied.  
Order all other accessories separately.

### FOR MODEL 6104—

9" x 1/4" flat rough reinforced grinding disc. Steel guard No. 49-12-0090,

STEEL  
CARRYING CASE  
FOR MILWAUKEE  
SANDER/GRINDERS  
NO. 48-55-0875

TYPE "C" GREASE  
1 lb. can NO. 49-08-1000



# HEAVY-DUTY GRINDER ACCESSORIES

**NOTE:**  
THE MAXIMUM  
SAFE OPERAT-  
ING SPEED  
SHOWN ON THE  
GRINDING  
WHEELS MUST  
BE GREATER THAN  
THE NO LOAD  
SPEED OF THE TOOL.

**CAUTION: ALWAYS USE COMBINATIONS  
OF SAFETY ATTACHMENTS AS ILLUS-  
TRATED. SAFETY GUARDS REQUIRED.  
WEAR SAFETY GOGGLES.**

## FLAT REINFORCED GRINDING DISCS

Strong and tough with high safety factor to permit high speed operation. Nylon reinforced to resist breakage from twisting, starting torque or lateral pressure.

## ECONOMICAL DEPRESSED CENTER GRINDING DISCS

### WITH 7/8" REINFORCED ARBOR HOLE

#### SOLD ONLY IN BOXES OF TEN

The same high quality grinding disc as the flat reinforced disc above, but with 7/8" reinforced arbor hole. Use with guard, hub adapter, and disc nut. Less expensive than disc with permanent mounted hub.

## CURVED REINFORCED GRINDING DISCS

Nylon reinforced curved grinding discs for grinding welds. Contour shape permits easier accessibility to work surfaces. Same high safety factor as flat reinforced grinding discs.

## FLARED CUP GRINDING WHEELS

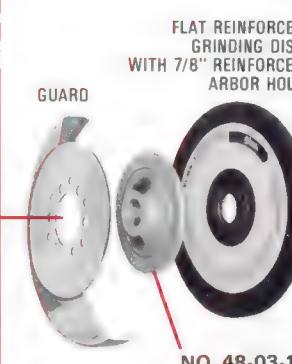
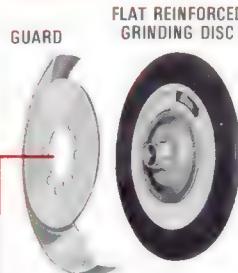
Aluminum oxide for all general purpose metal grinding. Resinoid bonded. These wheels are fitted with 5/8"-11 threaded bushing molded integrally for ready mounting.

## ARMOR-CUP GRINDING WHEELS

Resinoid bonded. Special fine grit outer rim wears slowly... prevents rounded edges for high performance without distortion. Eliminates waste by maintaining a flat grinding surface even under the toughest conditions... provides longer usable cup life. 5/8"-11 threaded bushing integrally molded for easy mounting.

## CRIMPED or KNOT WIRE CUP BRUSHES

Fine quality crimped or knot wire brushes to give long service life on the toughest cleaning jobs. Ideally suited for cleaning castings, structural steel, sheet metal, stone and concrete.



CATALOG NUMBER	DESCRIPTION	MAXIMUM SAFE SPEED RPM
<b>ALUMINUM OXIDE DISCS FOR METAL</b>		
49-93-3110	24 GRIT 7" x 1/4" 5/8"-11 Thd. Hub	7750
49-93-3230	24 GRIT 9" x 1/4" 5/8"-11 Thd. Hub	6000
49-93-3170	46 GRIT 7" x 1/4" 5/8"-11 Thd. Hub	7750
49-93-3290	46 GRIT 9" x 1/4" 5/8"-11 Thd. Hub	6000

CATALOG NUMBER	DESCRIPTION	MAXIMUM SAFE SPEED RPM
<b>SILICON CARBIDE DISCS FOR STONE OR CONCRETE</b>		
49-93-3130	7" x 1/4" 5/8"-11 Thd. Hub	7750
49-93-3250	9" x 1/4" 5/8"-11 Thd. Hub	6000

CATALOG NUMBER	DESCRIPTION
49-12-0080	Fits 7" Grinder
49-12-0090	Fits 9" Grinder

CATALOG NUMBER (10 WHEELS PER BOX)	DESCRIPTION	MAXIMUM SAFE SPEED RPM
<b>ALUMINUM OXIDE DISCS FOR METAL GRINDING DISCS HAVE 7/8" REINFORCED ARBOR HOLE</b>		
49-94-3112 <b>BOX</b>	24 GRIT 7" x 1/4"	8500
49-94-3232 <b>OF</b>	24 GRIT 9" x 1/4"	6500
49-94-3172 <b>10</b>	46 GRIT 7" x 1/4"	8500
49-94-3292 <b>10</b>	46 GRIT 9" x 1/4"	6500

CATALOG NUMBER	DESCRIPTION
NO. 49-12-0080	Fits 7" Grinder
NO. 49-12-0090	Fits 9" Grinder

**NO. 49-40-0120 DISC NUT** For disc wheel hub adapter and also for use with discontinued nested spring steel disc assemblies.

**NO. 48-03-1000 HUB ADAPTER** For use with depressed center hub wheels with 7/8" diameter hole.

CATALOG NUMBER	DESCRIPTION	MAXIMUM SAFE SPEED RPM
49-93-3120	24 GRIT 7" x 1/4" 5/8"-11 Thd. Hub	7750
49-93-3240	24 GRIT 9" x 1/4" 5/8"-11 Thd. Hub	6500
49-93-3180	46 GRIT 7" x 1/4" 5/8"-11 Thd. Hub	7750
49-93-3300	46 GRIT 9" x 1/4" 5/8"-11 Thd. Hub	6500

CATALOG NUMBER	DESCRIPTION
49-12-0100	Fits 7" Grinder
49-12-0110	Fits 9" Grinder

CATALOG NUMBER	DESCRIPTION	MAXIMUM SAFE SPEED RPM
49-93-5140	4" DIA. FOR 7" GRINDERS 5/8"-11 Thd.	9000
49-93-5220	5" DIA. FOR 9" GRINDERS 5/8"-11 Thd.	7200

CATALOG NUMBER	DESCRIPTION
49-12-0061 <b>NEW</b>	For 4" Cup Wheel
49-12-0071 <b>NEW</b>	For 5" Cup Wheel

CATALOG NUMBER	DESCRIPTION	MAXIMUM SAFE SPEED RPM
49-93-5250	4" DIA. FOR 7" GRINDERS 5/8"-11 Thd.	9000
49-93-5270	5" DIA. FOR 9" GRINDERS 5/8"-11 Thd.	7200

CATALOG NUMBER	DESCRIPTION
49-93-5260	4" DIA. FOR 7" GRINDERS 5/8"-11 Thd.
49-93-5280	5" DIA. FOR 9" GRINDERS 5/8"-11 Thd.

CATALOG NUMBER	DESCRIPTION
49-12-0081 <b>NEW</b>	For 4" Cup Wheel
49-12-0071 <b>NEW</b>	For 5" Cup Wheel

CATALOG NUMBER	DESCRIPTION	MAXIMUM SAFE SPEED RPM
<b>4" DIAMETER FOR 7" GRINDERS</b>		
48-52-1300	30 ga. Crimped Wire 5/8"-11 Thread	7000
48-52-1350	24 ga. Knot Wire 5/8"-11 Thread	6000
<b>6" DIAMETER FOR 9" GRINDERS</b>		
48-52-1600	24 ga. Crimped Wire 5/8"-11 Thread	6000
48-52-1650	30 ga. Knot Wire 5/8"-11 Thread	6000

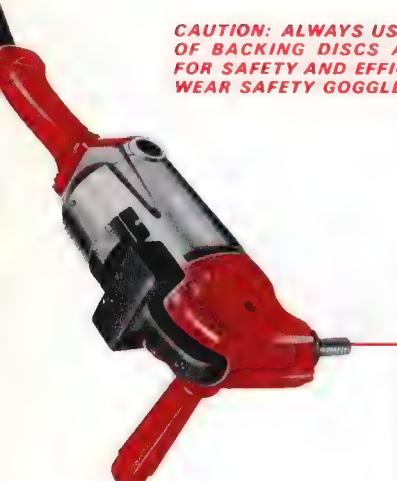
Milwaukee

# HEAVY-DUTY SANDER ACCESSORIES

## BACKING DISC ASSEMBLIES

Light, perfectly balanced assemblies provide flexibility for curves and contours. Abrasive discs can be trimmed down to the next smaller diameter to be used with smaller backing discs, affording greater economy.

**CAUTION: ALWAYS USE COMBINATIONS OF BACKING DISCS AS ILLUSTRATED. FOR SAFETY AND EFFICIENT OPERATION WEAR SAFETY GOGGLES.**



**Milwaukee**



### RUBBER PAD ASSEMBLY

**COMPLETE ASSEMBLY  
INCLUDES RUBBER PAD AND DISC NUT**

*Does Not Include Abrasive Sanding Disc*

NO. 49-36-3700	7" DIA.	MAX. SPEED 7500 RPM
NO. 49-36-3750	9" DIA.	MAX. SPEED 7000 RPM

**DISC NUT ONLY**  
NO. 49-40-0360



### STANDARD PHENOLIC DISC ASSEMBLIES

Same as furnished with Sander Grinders Nos. 6022 and 6062

**COMPLETE ASSEMBLY  
INCLUDES RUBBER PAD, DISC, AND DISC NUT**

*Does Not Include Abrasive Sanding Disc*

NO. 49-36-6000	7" DIA.	MAX. SPEED 7000 RPM
NO. 49-36-6050	9" DIA.	MAX. SPEED 7000 RPM

**DISC ONLY**

NO. 48-80-6000	7" DIA.	MAX. SPEED 7000 RPM
NO. 48-80-6050	9" DIA.	MAX. SPEED 7000 RPM

**RUBBER PAD ONLY**

NO. 49-36-3500	MAX. SPEED 7000 RPM
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**DISC NUT ONLY**  
NO. 49-40-0350



### DISC SAVER PHENOLIC DISC ASSEMBLIES

**COMPLETE ASSEMBLY  
INCLUDES RUBBER PAD, DISC, AND DISC NUT**

*Does Not Include Abrasive Sanding Disc*

NO. 49-36-3600	7" DIA.	MAX. SPEED 7000 RPM
NO. 49-36-3650	9" DIA.	MAX. SPEED 7000 RPM

**DISC ONLY**

NO. 48-80-6010	7" DIA.	MAX. SPEED 7000 RPM
NO. 48-80-6060	9" DIA.	MAX. SPEED 7000 RPM

**RUBBER PAD ONLY**

NO. 49-36-3550	MAX. SPEED 7000 RPM
----------------	---------------------

**DISC NUT ONLY**  
NO. 49-40-0350

### ABRASIVE SANDING DISCS PACKED AND SOLD ONLY IN BOXES OF 10



Specially selected extra hard aluminum oxide grits are applied with plastic adhesive to rigid fibre backing for long life. Waterproof and can be dipped and scrubbed for re-use.

CATALOG NUMBER  
(10 PER BOX)

NO. 48-80-2000	16 GRIT	MAX. SPEED 7000 RPM
NO. 48-80-2050	24 GRIT	MAX. SPEED 7000 RPM
NO. 48-80-2100	36 GRIT	MAX. SPEED 7000 RPM
NO. 48-80-2200	60 GRIT	MAX. SPEED 7000 RPM
NO. 48-80-2250	80 GRIT	MAX. SPEED 7000 RPM

CATALOG NUMBER  
(10 PER BOX)

NO. 48-80-2500	16 GRIT	MAX. SPEED 7000 RPM
NO. 48-80-2550	24 GRIT	MAX. SPEED 7000 RPM
NO. 48-80-2600	36 GRIT	MAX. SPEED 7000 RPM
NO. 48-80-2700	60 GRIT	MAX. SPEED 7000 RPM
NO. 48-80-2750	80 GRIT	MAX. SPEED 7000 RPM

## HEAVY-DUTY DIE GRINDER

### ACCESSORIES

For model 5195 with serial nos. above 525-10,500

**NEW 48-66-0975\*** 1/4" COLLET

**NEW 48-66-0965** 1/8" COLLET

**NEW 49-96-4090\*** 11/16" WRENCH

**49-08-4110** TYPE "D" GREASE, 1 lb. can

\* Included as standard equipment

### COLLET ASSEMBLY

#### NO. 48-66-2090

To convert model 5195 with serial nos. below 525-10,500 to new collet system. Includes collet body (42-77-0080) and nut (44-40-0435) order collet separately.

### ACCESSORIES

For model 5195 with serial nos. below 525-10,500

**48-66-0970\*** 1/4" COLLET

**49-96-4040\*** 1/2" OPEN END WRENCH

**49-96-4065\*** 5/8" OPEN END WRENCH

**49-96-4075\*** 1" OPEN END WRENCH

**48-66-0960** 1/8" COLLET

**49-08-4110** TYPE "D" GREASE, 1 lb. can

\* Included as standard equipment

**DIE GRINDER**  
**NO. 5195**

- For heavy-duty grinding
- 14,500 RPM
- For Mounted Wheels and Points up to 2"
- Reinforced Wheels up to 2"

CATALOG NUMBER	VOLTS AC-DC	AMPS	COLLET DIAMETER	NON-ORGANIC	REINFORCED	NO. LOAD RPM	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
5195★	120	9	1/8†-1/4‡	2"	2"	14,500	20"	7-5/8	12

★ Available in 240 Volts AC-DC. Add -2 after Catalog Number when ordering See price sheet

† Available as accessory only

‡ Standard equipment

**SAFETY NOTE:** This Grinder is not supplied with grinding wheel. Before using any grinding wheel be sure speed shown for that wheel is greater than the no load speed of the tool. Tables of maximum operating speeds for mounted wheels are included in the instructions packed with each new grinder. **CAUTION: NEVER OPERATE TOOL WITHOUT GRINDING WHEEL OR DOWEL PROPERLY SECURED IN ITS COLLET.**

**ALL BALL  
AND ROLLER  
BEARINGS**

**HEAVY-DUTY  
STRAIGHT  
GRINDER**

**ALL BALL  
AND ROLLER  
BEARINGS**

**STRAIGHT GRINDER**  
**NO. 5210**

- Perfect for external grinding and other heavy-duty applications
- 14,500 RPM
- Aluminum Oxide Wheels. 1/2" x 2-1/2" x 3/8" available in 60 grit or 36 grit

CATALOG NUMBER	VOLTS AC-DC	AMPS	WHEEL SIZE	HOLE DIA.	NO. LOAD RPM	NET WGT. LBS.	SHP. WGT. LBS.
5210★	120	9	1/2" x 2-1/2"	3/8"	14,500	19-1/2"	7-5/8 12

★ Available in 240 Volts AC-DC. Add -2 after Catalog Number when ordering See price sheet.

**NOTE:** Before using any grinding wheel be sure speed shown for that wheel is greater than the no load speed of the tool.

### ACCESSORIES

For Model 5210

**49-96-4050\*** 9/16" OPEN END WRENCH

**49-96-4075\*** 1" OPEN END WRENCH

**49-92-0200** 60 GRIT ALUMINUM OXIDE WHEEL

**49-92-0250\*** 36 GRIT ALUMINUM OXIDE WHEEL

**49-12-0280\*** 2-1/2" WHEEL GUARD ASSEMBLY

**49-08-4110** TYPE "D" GREASE 1 lb. can

\* Included as standard equipment

# HEAVY-DUTY PORTABLE and TUCK POINT GRINDERS



- HEAVY-DUTY MILWAUKEE-BUILT MOTOR
- DOUBLE ROW OVERRSIZE BALL BEARINGS
- HELICAL-CUT ALLOY STEEL GEAR AND SHAFTS



## LIGHTWEIGHT ALUMINUM ALLOY HOUSINGS

CATALOG NUMBER	VOLTS AC-DC	AMPS	MAX. WHEEL DIA.	HOLE DIA.	SPEED NO LOAD (RPM)	LENGTH INCHES	NET WGT. LBS.	SHP. WGT. LBS.
5220	120	11.5	5"	5/8"	4000	21-3/4	15	19
5240★	120	11.5	6"	5/8"	4000	22	16-1/2	22

★ Available in 240 Volts AC-DC. Add -2 after Catalog Number when ordering. See price sheet.

**STANDARD EQUIPMENT:** Equipped with adjustable steel wheel guard and coarse grinding wheel. Hinged face plate

**NOTE:** The maximum safe operating speed shown on grinding wheels and tuck point abrasive wheels must be greater than the no load speed of the tool

**Milwaukee**

### REPLACEMENT GUARD ASSEMBLIES

### 5" WHEEL GUARD ASSEMBLY

For Model 5220 Grinder  
NO. 49-12-0140

### 6" WHEEL GUARD ASSEMBLY

For Model 5240 Grinder  
NO. 49-12-0150



CATALOG NUMBER	SIZE INS.	HOLE DIA.	MAXIMUM WHEEL SPEED
49-92-2240	5 x 1	5/8"	7200
49-92-3260	6 x 1	5/8"	6000



CATALOG NO.	DIA. INS.	HOLE DIAMETER	WIRE SIZE	MAX. WHEEL SPEED
48-52-2310	5	5/8"	.014	8000
48-52-2510	6	1/2"-5/8"	.014	8000



CATALOG NUMBER	DIA. INS.	HOLE DIA.
49-93-0070	5	5/8"
49-93-0090	6	5/8"

1 LB. CAN TYPE C GREASE CATALOG NO. 49-08-1000



### TUCK POINT ABRASIVE WHEELS

Maximum Wheel Speeds 7200 RPM

NO. 49-92-5020 8" x 1/8" x 5/8" hole  
NO. 49-92-5040 8" x 3/16" x 5/8" hole  
NO. 49-92-5060 8" x 1/4" x 5/8" hole

## TUCK POINT GRINDER

POWERFUL, HIGH SPEED, EASY HANDLING FOR FAST REMOVAL OF OLD OR LOOSE MORTAR

CATALOG NUMBER	VOLTS AC-DC	AMPS	MAX. WHEEL DIA.	HOLE DIA.	SPEED NO LOAD RPM	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
5260	120	11.5	8"	5/8"	4000	21	15-1/4	19

**STANDARD EQUIPMENT:** Furnished with 8" x 1/8" abrasive wheel and steel wheel guard.

**NOTE:** The maximum safe operating speed shown on grinding wheels and tuck point abrasive wheels must be greater than the no load speed of the tool.

**TUCK POINT GUARD**  
NO. 49-12-0310 8" Guard.

**TUCK POINT GRINDER ACCESSORY KIT**  
NO. 49-22-6050 Includes wheel guard, spacer unit and 8"x1/8"x5/8" hole abrasive wheel.

**NOTE:** Kit and abrasive wheels are adaptable to Portable Grinders Nos. 5220 and 5240.

"C" GREASE 1 lb. can NO. 49-08-1000.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

# HEAVY DUTY BENCH GRINDERS

6 • 7 • 8 • 10 INCH WHEEL SIZES

## BELL TYPE CONSTRUCTION



Clearance in front of motor housing is important when grinding longer pieces.



**Plastic Eye Shields (Cat. No. 49-62-0100)** are furnished as standard equipment. Plexiglass Eye Shields and Illuminated Eye Shields are offered as optional accessories. Shields *must* be used when operating grinders.

## BALL AND ROLLER BEARINGS

## SPECIFICATIONS

NEMA RATED H.P.	CATALOG NO.	VOLTS AC ONLY	AMPS	PHASE	SPEED RPM	WHEEL SIZE	HOLE DIA.	SPACE BETWEEN WHEELS	NET WGT. (LBS.)	SHP. WGT. (LBS.)
1/4	4900	115 50/60 Hz	3.4	1	2850/3450	6"x5 8/16"	1/2"	11-1/2"	22	24
1/3	4920	115 50/60 Hz	3.7	1	2850/3450	6"x3 4/16"	1/2"	13-1/2"	27	29
1/2	4980	115 50/60 Hz	4.4	1	2850/3450	7"x1"	5/8"	14-1/8"	37	40
3/4	5040	115/230 60 Hz	5.8/2.9	1	3450	8"x1"	5/8"	16-3/8"	57	60
1	5080	115/230 60 Hz	8.8/4.4	1	1725	10"x1"	3/4"	17-1/8"	82	85

† Replacement wheels are 3/4"

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## STANDARD EQUIPMENT

Includes two balanced, aluminum oxide wheels—one fine and one coarse grit—adjustable tool rests, spark deflectors and plastic eye shields. Pedestal and illuminated eye shields are listed below and are available as accessories. Wheels other than those supplied as standard equipment must be ordered separately.

## PLASTIC EYE SHIELDS

**NO. 49-62-0100.** (pair) These protective eye shields are furnished as standard equipment on all MILWAUKEE Bench Grinders. Easily replaced when pitted. Supplied as a pair. Complete with attaching hardware for any MILWAUKEE Bench Grinder. Shp. Wt. 1 lb. per pair.

## ILLUMINATED EYE SHIELD

**NO. 49-62-0050.** (as shown above on 1 H. P. Grinder) Metal frame holds 4" x 6" plexiglass window . . . easily replaced when pitted. Long tube bulb eliminates shadow . . . separate cord with on-off switch operates on 120 Volts AC. Rigid support prevents swiveling. Available for 1/2, 3/4 and 1 H. P. bench grinders only. If pair required specify 2 units. Shp. Wt. 4 lbs. each.

## PLEXIGLASS EYE SHIELDS

**NO. 49-62-0060** (Pair) As shown above on 1/2 H. P. Grinder. Frame holds 3" x 5" Shatter-Resistant plexiglass. Mounting bracket included. Adaptable to all models. Shp. Wt. 2 lbs. each.

## WHEELS FOR BENCH GRINDERS

**NOTE:** The maximum safe operating speed shown on the grinding wheels must be greater than the no load speed of the tool. Aluminum Oxide Grinding Wheels are available in coarse, medium and fine grit for all types of grinding. Knot Wire Brushes for removing rust, scale and file marks—made of select steel wires. Brushes have a face width

of 3/4". Cloth Buffing Wheels for buffing metal surfaces—made of multiple layers of select buffering cloth—securely sewed—can be dipped in an emery grit after coating with glue for finish grinding or rough polishing

## GRINDING WHEELS

CATALOG NO.	SIZE (IN.)	HOLE DIA.	MAX. WHEEL SPEED
COARSE GRIT	49-92-3140	6x3/4	1/2 6000
	49-92-4200	7x1	5/8 5200
	49-92-5300	8x1	5/8 4600
	49-92-7200	10x1	3/4 3750
MEDIUM GRIT	49-92-3160	6x3/4	1/2 6000
	49-92-4220	7x1	5/8 5200
	49-92-5320	8x1	5/8 4600
	49-92-7220	10x1	3/4 3750
FINE GRIT	49-92-3180	6x3/4	1/2 6000
	49-92-4240	7x1	5/8 5200
	49-92-5340	8x1	5/8 4600
	49-92-7240	10x1	3/4 3750



## KNOT WIRE BRUSHES

CATALOG NO.	DIA. (IN.)	HOLE (DIA.)	WIRE SIZE	MAX. WHEEL SPEED
48-52-2510	6	1 1/2"-5/8"	.014	8000
48-52-2610	7	5/8"	.014	5000
48-52-4810	10	3/4"	.014	4500



## CLOTH BUFFING WHEELS

CATALOG NO.	DIA. (IN.)	HOLE DIA.
49-93-0080	6	1 1/2"
49-93-0100	7	5/8"
49-93-0110	10	3/4"



## 5 MODELS

- 1/4 H.P.
- 1/3 H.P.
- 1/2 H.P.
- 3/4 H.P.
- 1 H.P.

NOTE: H.P. is NEMA rated

## 1 H.P. GRINDER

Shown with Optional Illuminated Eye Shields  
NO. 49-62-0050



## 1/2 H. P. GRINDER

Mounted on Grinder Pedestal Shown with Optional Eye Shields  
NO. 49-62-0060

## GRINDER PEDESTAL

**NO. 49-39-0050** Heavy gray iron castings with tubular steel column. Removable water pot. Adaptable to all models. Height 34". Shp. Wt. 54 lbs.



# HEAVY-DUTY MAGNUM DRYWALL SCREW-SHOOTER

**POWERFUL!**

**SERVICEABLE!**

## EXCLUSIVE MAGNUM FEATURES



- EXCLUSIVE SNAP-ACTION POSITIVE DRIVE CLUTCH prevents tip-to-tip engagement of clutch jaws at the beginning and at the end of a screw driving cycle. This reduces clutch wear, and when depth sensing nosepieces are properly used, greatly prolongs clutch life.

- EXCLUSIVE BRUSH CARTRIDGE SYSTEM — REMOVABLE BRUSH CARTRIDGE ... change brushes in less than one minute anywhere, with only a screwdriver. **CAUTION** — Before servicing, disconnect power cord. Next, loosen Phillips/slotted brush-holder screw and pull out cartridge. SELF-STOPPING BRUSHES. Instant brush replacement by using spares stored in cartridge system.



BRUSH AND SCREW PART NOS. are embossed on cartridge for a permanent handy reference.



LIGHTWEIGHT  
**ALUMINUM**  
NOSE PIECE

CAT NO 49-26-1026

**NO. 6744-1**  
REVERSING 2500 RPM

**NO. 6754-1**  
TRIGGER SPEED CONTROL REVERSING 0-4000 RPM

- ALL BALL AND ROLLER BEARINGS
- POWERFUL MILWAUKEE MOTOR PROVIDES GREATER TORQUE
- COMFORTABLE TWO FINGER TRIGGER

CATALOG NUMBER	VOLTS	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
<b>6744-1</b>	120 AC	4.5	2500	1/4" Hex	7/8"	10-1/4	3-1/2	7
<b>6754-1</b>	120 AC Only	4.5	0-4000	1/4" Hex	7/8"	10-1/4	3-1/2	7

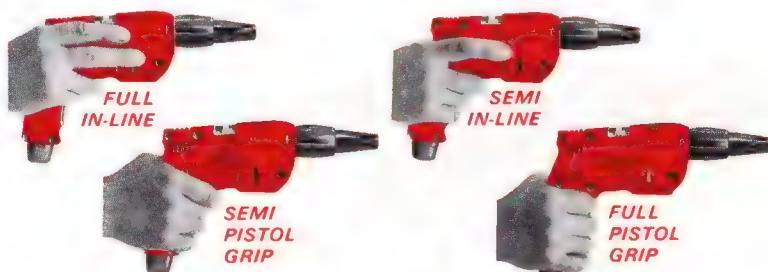
NOTE: Models have reversing type motor and are equipped with lockable trigger switch.

**STANDARD EQUIPMENT:** #2 Phillips Bit, Magnetic Bit Holder and Magnetic Bit Holder Locator No. 49-26-1026. 8' Quik-Lok Cord Set.

DEEP CORRUGATION KIT AVAILABLE FOR MODEL 6744-1 — SEE P. 73.

CARRYING CASE, HOLSTER, QUIK-LOK CORD SET, GREASE AVAILABLE — SEE P. 73.

- FOUR POSITION HAND GRIP FOR ANY APPLICATION



- QUIK-LOK CORD SETS FOR FAST, SECURE ATTACHMENT. 8' STANDARD EQUIPMENT — 25', 50' and 100' AVAILABLE



1. LINE UP KEYWAY

2. INSERT

3. LOCK

Quick detachment from tool for tangle free carrying and storage. Instant field repair, safe replacement.

## BIT HOUSING & LOCATORS FOR 6744-1 & 6754-1 POSITIVE DRIVE

RED CATALOG NOS.  
ARE STANDARD EQUIP.

Bit Housing <b>48-32-2505</b> (Coarse Threads)	Locator Assembly <b>49-26-1000</b> (Molded Nylon)	Locator Tip <b>49-78-0100</b>	Not Required	Magnetic Bit Holder <b>48-32-3025</b>	"O" Ring Only for Bit Holder <b>48-32-3045</b>	Nose End Only for Bit Holder <b>48-32-3040</b>	1" Long Phillips Insert Bits #1 Phillips <b>48-32-1030</b> #2 Phillips <b>48-32-1050</b>	1/4" Hex Magnetic Socket <b>49-66-0800</b>
	Locator Assembly <b>49-26-1026</b> (Cast Aluminum)							

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS — SPECIFICATIONS — SEE P. 77

♦ Bulk packages of 1" long Phillips Insert Bits are available in quantities of 25 and 50. See page 77.

# HEAVY-DUTY DRYWALL SCREW-SHOOTERS



**3  
MODELS**

NO. 6747-1  
REVERSING 2500 RPM

NO. 6750-1  
TRIGGER SPEED CONTROL REVERSING 0-4000 RPM

NO. 6751-1  
REVERSING - HIGH SPEED - 4000 RPM

- POSITIVE DRIVE CLUTCH
- NON-MARRING LOCATORS
- CONVENIENT REVERSING SWITCH
- POWERFUL MILWAUKEE 4.5 AMP MOTOR
- MINIMUM OFFSET FOR CLOSE QUARTER WORK
- SIMPLE POSITIVE DEPTH ADJUSTMENT

Positive lock adjustment provides a wide range of depth settings. Simplified, one hand adjustment. Push Locking Collar forward and rotate it to right or left. Each 1/4 turn equals 1/64" change in depth. Molded nose assembly is permanently lubricated and will not rust or corrode.



## HEAVY-DUTY DEEP CORRUGATION KIT

Cat. No. 49-22-1510

Kit consists of Depth Adjuster, 49-26-2500; Socket Driver, 48-32-2055 and two Locator Tips, 5/16" 49-78-0312 and 3/8" 49-78-0375.

Permits depth-adjustable driving of 5/16" and 3/8" hex head screws into deep, narrow corrugation, or flush to side walls. Locator tips can be rotated for alignment.

Note: Must be used with 48-32-2500 Bit Housing (Provided with models 6798-1 & 6747-1) or 48-32-2505 Bit Housing (Provided with models 6794-1 & 6744-1.) 5/16" & 3/8" sockets not furnished.

FITS THE FOLLOWING LIST OF MILWAUKEE SCREW-SHOOTERS FOR USE WITH SELF-DRILLING, SELF-TAPPING FASTENERS

CATALOG NO. 6543-1	0-1000 RPM POSITIVE DRIVE
6744-1	2500 RPM POSITIVE DRIVE
6747-1	2500 RPM POSITIVE DRIVE
6794-1	0-2500 RPM POSITIVE DRIVE
6798-1	0-2500 RPM POSITIVE DRIVE

### BIT HOUSING & LOCATORS FOR 6747-1, 6750-1 & 6751-1 POSITIVE DRIVE

RED CATALOG NOS. ARE STANDARD EQUIP.		Bit Housing <b>48-32-2500</b> (Fine Threads)	Locator Assembly <b>49-26-1000</b> (Molded Nylon)	Locator Tip <b>49-78-0100</b>	Magnetic Bit Holder <b>48-32-3025</b>	"O" Ring Only for Bit Holder <b>48-32-3045</b>	Nose End Only for Bit Holder <b>48-32-3040</b>	1" Long Phillips Insert Bits ◆ #1 Phillips 48-32-1030 #2 Phillips 48-32-1050	1/4" Hex Magnetic Socket <b>49-66-0800</b>
Locator Assembly <b>49-26-1026</b> (Cast Aluminum)	Not Required								

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS - SPECIFICATIONS - SEE P. 77

♦ Bulk packages of 1" long Phillips Insert Bits are available in quantities of 25 and 50. See page 77.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## SCREW-SHOOTER ACCESSORIES

AVAILABLE FOR ALL MILWAUKEE SCREW-SHOOTERS and HOLE-SHOOTERS



STEEL  
CARRYING  
CASE  
NO. 48-55-0710  
OVERALL SIZE  
13" long,  
6" high,  
8-1/2" wide.



LEATHER  
HOLSTER  
NO.  
**49-17-0200**  
Fits belts to  
3" wide.

### TYPE "A" GREASE

NO. 49-08-0500

1/2 Lb. Can

NO. 49-08-0800

1 Lb. Can

# HEAVY-DUTY MAGNUM SPECIAL SCREW-SHOOTER

FOR DRIVING SELF-DRILLING, SELF-TAPPING TEKS® FASTENERS

## POWERFUL! SERVICEABLE!

### EXCLUSIVE MAGNUM FEATURES



- EXCLUSIVE SNAP-ACTION POSITIVE DRIVE CLUTCH** prevents tip-to-tip engagement of clutch jaws at the beginning and at the end of a screw driving cycle. This reduces clutch wear, and when depth sensing nosepieces are properly used, greatly prolongs clutch life.

- EXCLUSIVE BRUSH CARTRIDGE SYSTEM — REMOVABLE BRUSH CARTRIDGE** ... change brushes in less than one minute anywhere, with only a screwdriver. **CAUTION** — Before servicing, disconnect power cord. Next, loosen Phillips/slotted brush-holder screw and pull out cartridge. **SELF-STOPPING BRUSHES**. Instant brush replacement by using spares stored in cartridge system.



BRUSH AND SCREW PART NOS. are embossed on cartridge for a permanent handy reference.

EXTRA CARBONS



EXTRA SCREW



RED CATALOG NOS.  
ARE STANDARD EQUIP.

- ALL BALL AND ROLLER BEARINGS
- POWERFUL MILWAUKEE MOTOR PROVIDES GREATER TORQUE
- COMFORTABLE TWO FINGER TRIGGER

NO. 6794-1

REVERSING... TRIGGER SPEED CONTROL 0-2500 RPM FOR EASY, ACCURATE DRIVING

CAPACITY: 1/4" SCREW IN 1/4" COLD ROLLED STEEL OR NO. 12 SCREW IN 1/2" COLD ROLLED STEEL.

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6794-1 REV.	120	4.5	0-2500	1/4" Hex	7/8"	9-1/2	3-1/2	7

"REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

**STANDARD EQUIPMENT:** 5/16" Hex One Piece Socket Extension and 1/4", 5/16", 3/8" and 7/16" Locators. 8' Quik-Lok Cord Set.

DEEP CORRUGATION KIT AVAILABLE — SEE P. 73

CARRYING CASE, HOLSTER, QUICK-LOK CORD SET, GREASE AVAILABLE — SEE P. 73.

### • FOUR POSITION HAND GRIP FOR ANY APPLICATION



### • QUIK-LOK CORD SETS FOR FAST, SECURE ATTACHMENT. 8' STANDARD EQUIPMENT — 25', 50' and 100' AVAILABLE



1. LINE UP KEYWAY      2. INSERT      3. LOCK

Quick detachment from tool for tangle free carrying and storage. Instant field repair, safe replacement.

### BIT HOUSING & LOCATORS FOR 6794-1 POSITIVE DRIVE

HEX SIZE	BIT HOUSING	HEX HEAD SCREWS — USING SOCKET & DRIVER			HEX HEAD SCREWS — USING ONE PIECE EXTENSIONS			PHILLIPS, POSIDRIV® AND ROBERTSON SCREWS			
		LOCATOR ASSEMBLY	SOCKET DRIVER	MAGNETIC SOCKET	HEX SIZE	LOCATOR ASSEMBLY	SOCKET EXT-MAGNETIC	TYPE OF SET-UP	LOCATOR ASSEMBLY	BIT HOLDER	INSERT BITS
1/4"		49-26-0250	49-66-3000		1/4"	49-26-0250	49-66-3006	Magnetic	49-26-1000	49-26-1026	48-32-3025
5/16"		49-26-0312	49-66-3010		5/16"	49-26-0312	49-66-3016				
3/8"		49-26-0375	49-66-3020		3/8"	49-26-0375	49-66-3026	Non-Magnetic	49-26-0250	48-32-3050	Select Bits with Key Letters T, U or W from Page 77.
7/16"	48-32-2505	49-26-0600	48-32-2050	49-66-3030							

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS — SPECIFICATIONS — SEE P. 77

Bulk packages of 1" long Phillips Insert Bits are available in quantities of 25 and 50. See page 77.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS



# HEAVY-DUTY SPECIAL SCREW-SHOOTERS

FOR DRIVING SELF-DRILLING, SELF-TAPPING TEKS® FASTENERS

TEKS® registered trademark of Illinois Tool Works, Inc.

ALL BALL AND  
ROLLER BEARINGS



ALL BALL AND  
ROLLER BEARINGS

- POSITIVE DRIVE CLUTCH

Engages when pressure is applied. Driving action stops and clutch disengages when pressure is released or when locator contacts work surface. Depth control is adjustable in increments of 1/64" from outside of tool.

- NON-MARRING LOCATORS
- CONVENIENT REVERSING SWITCH
- POWERFUL MILWAUKEE 4.5 AMP MOTOR

**NO. 6798-1 REVERSING...TRIGGER SPEED CONTROL 0-2500 RPM**

**CAPACITY:** 1/4" SCREW IN 3/16" COLD ROLLED STEEL OR NO. 12 SCREW IN 1/2" COLD ROLLED STEEL.

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
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**6798-1 REV.** 120 4.5 0-2500 1/4" Hex 3/4" 9-1/2 3-3/4 7

"REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

• Available in 240 Volts AC Only. Add -3 after Catalog Number when ordering. See price sheet.

**STANDARD EQUIPMENT:** 5/16" Hex One Piece Socket Extension and 1/4", 5/16", 3/8" and 7/16" Locators.

DEEP CORRUGATION KIT AVAILABLE — SEE P. 73

CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 73

**BIT HOUSING & LOCATORS FOR 6798-1 POSITIVE DRIVE**

HEX HEAD SCREWS — USING SOCKET & DRIVER

RED CATALOG NOS.  
ARE STANDARD  
EQUIP.



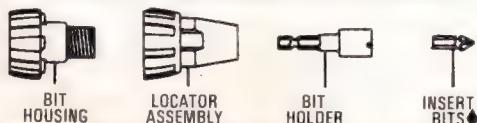
HEX SIZE	BIT HOUSING	LOCATOR ASSEMBLY	SOCKET DRIVER	MAGNETIC SOCKET
1/4"			49-26-0250	49-66-3000
5/16"	<b>48-32-2500</b>	49-26-0312	1/4" Sq. x 2" Long	49-66-3010
3/8"		49-26-0375	48-32-2050	49-66-3020
7/16"		49-26-0600		49-66-3030

HEX HEAD SCREWS — USING ONE PIECE EXTENSIONS



HEX SIZE	BIT HOUSING	LOCATOR ASSEMBLY	SOCKET EXT-MAGNETIC
1/4"		49-26-0250	49-66-3006
5/16"	<b>48-32-2500</b>	49-26-0312	49-66-3016
3/8"		49-26-0375	49-66-3026

PHILLIPS, POSIDRIV® AND ROBERTSON SCREWS



TYPE OF SET-UP	BIT HOUSING	LOCATOR ASSEMBLY	BIT HOLDER	INSERT BITS
Magnetic		49-26-1000	48-32-3025	Select Bits with Key Letters T, U, or W from Page 77.
Non-Magnetic	<b>48-32-2500</b>	49-26-1026		
		49-26-0250	48-32-3050	

**NOTE:** For Slotted, Frearson and Clutch Head Screws, use accessories as shown for Model 6543-1. P. 76.



FOR NO-HUB APPLICATIONS  
SET TORQUE AT 60 INCH-LBS.

- SIMPLIFIED ADJUSTABLE TORQUE RELEASE CLUTCH

Torque output is easily changed externally by turning adjusting ring. Locking collar positively holds setting. Clutch disengages and driving action stops when pre-set torque is reached.

- ADJUSTABLE FROM 0 TO 120 INCH-POUNDS OF TORQUE
- CONVENIENT REVERSING SWITCH
- POWERFUL MILWAUKEE 4.5 AMP MOTOR

**NO. 6783-1 REVERSING...TRIGGER SPEED CONTROL 0-2500 RPM EXCLUSIVE BIT GUIDES**

**CAPACITY:** 1/4" SCREW IN 3/16" COLD ROLLED STEEL OR NO. 12 SCREW IN 1/2" COLD ROLLED STEEL

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
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**6783-1 REV.** 120 4.5 0-2500 1/4" Hex 3/4" 10-1/4 4-1/2 8

"REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

**STANDARD EQUIPMENT:** 5/16" Hex Socket Extension and 1/4", 5/16" and 3/8" Bit Guides.

CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 73

**BIT GUIDES FOR 6783-1 ADJUSTABLE TORQUE**

HEX HEAD SCREWS — USING ONE PIECE EXTENSIONS

RED CATALOG NOS. ARE STANDARD EQUIP.	BIT GUIDE	MAGNETIC EXTENSION	NON-MAG. EXTENSION
	<b>48-32-0250</b>	49-66-3006	
	<b>48-32-0312</b>	49-66-3016	49-66-3015
	<b>48-32-0375</b>	49-66-3026	

HEX HEAD SCREWS — USING SOCKET & DRIVER

HEX. SIZE	BIT GUIDE	SOCKET DRIVER	MAGNETIC SOCKET
1/4"	<b>48-32-0250</b>	1/4" Sq. x 2" Long	49-66-3000
5/16"	<b>48-32-0312</b>	48-32-2050	49-66-3010
3/8"	<b>48-32-0375</b>		49-66-3020

PHILLIPS, POSIDRIV®, FREARSON, ROBERTSON

TYPE OF SET-UP	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	<b>48-32-0608</b>	48-32-3025	Select any Insert Bit from Page 77.
Non-Magnetic	<b>48-32-0250</b>	48-32-3050	

**NOTE:** From Slotted Screws and Hex Nuts, use accessories as shown for Model 6583-1 on P. 76.

♦ Bulk packages of 1" long Phillips Insert Bits are available in quantities of 25 and 50. See page 77.

**FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS — SPECIFICATIONS — SEE P. 77**

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## HEAVY-DUTY SCREW-SHOOTER FOR WOOD SCREWS



- POSITIVE DRIVE CLUTCH

Clutch engages when pressure is applied and stops when pressure is released. Torque is maintained while pressure is applied.

- CONVENIENT REVERSING SWITCH

- POWERFUL MILWAUKEE 4.5 AMP MOTOR

- EXCLUSIVE SNAP-IN BIT GUIDE DESIGN PROVIDES MAXIMUM SUPPORT, GREATLY REDUCING BIT WOBBLE

**NO. 6543-1 REVERSING...TRIGGER SPEED CONTROL 0-1000 RPM**

**CAPACITY:** SOFT WOOD WITH PILOT HOLE—TO 5/16" LAG  
SOFT WOOD WITHOUT PILOT HOLE—TO #16  
HARD WOOD WITH PILOT HOLE—TO #16  
HARD WOOD WITHOUT PILOT HOLE—TO #12

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6543-1 REV.	120	4.5	0-1000	1/4" Hex	3/4"	9-3/4	4-1/2	7

"REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

**STANDARD EQUIPMENT:** 6F-8R Bit and Finder, 10F-12R Bit and Finder, 6F-8R Bit Guide, 10F-12R Bit Guide, #2 Phillips Insert Bit, Non. Mag. Bit Holder and 1/4" Bit Guide.

DEEP CORRUGATION KIT AVAILABLE—SEE P. 73

CARRYING CASE, HOLSTER, GREASE AVAILABLE—SEE P. 73

### BIT GUIDE HOUSING & BIT GUIDES FOR 6543-1 POSITIVE DRIVE SLOTTED SCREWS

RED CATALOG NOS.  
ARE STANDARD  
EQUIP.

SCREW SIZE	BIT GUIDE HOUSING	BIT GUIDE	BIT AND FINDER COMBINATION
6F-8R		<b>48-32-0608</b>	<b>48-30-2600</b>
F = Flat Head	8F-10R	Cat. 48-32-0810	48-30-2625
R = Round Head	10F-12R	No. 48-32-1012	<b>48-30-2650</b>
	12F-14R	<b>48-32-1000</b>	48-32-1214
	14F-16R		48-32-1416
			48-30-2700

PHILLIPS, POSIDRIV®, FREARSON, ROBERTSON,

TYPE OF SET-UP	BIT GUIDE HOUSING	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	Cat. No. 48-32-1000	<b>48-32-0608</b>	<b>48-32-3025</b>	Select any Insert Bit
Non-Mag.		<b>48-32-0250</b>	<b>48-32-3050</b>	

### HEX HEAD SCREWS

HEX. SIZE	BIT GUIDE HOUSING	BIT GUIDE	SOCKET DRIVER	MAGNETIC SOCKET
1/4"	Cat. 48-32-0250	1/4" Sq. x 49-66-3000		
5/16"	No. 48-32-0312	2" Long 49-66-3010		
3/8"	<b>48-32-1000</b>	48-32-0375	48-32-2050	49-66-3020

NOTE: For Hex Nuts or Hex Head Screws, using one piece extensions, use accessories as shown for Model 6583-1, plus Bit Guide Housing, NO. 48-32-1000.

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS—SPECIFICATIONS—SEE P. 77

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

## HEAVY-DUTY SCREW-SHOOTER — NUT RUNNER

FOR MACHINE AND SHEET METAL SCREWS AND NUTS

ALL BALL  
AND ROLLER  
BEARINGS



FOR NO-HUB APPLICATIONS  
SET TORQUE AT 60 INCH-LBS.

- SIMPLIFIED ADJUSTABLE TORQUE RELEASE CLUTCH

Torque output is easily changed externally by turning adjusting ring. Locking collar positively holds setting. Clutch disengages and driving action stops when pre-set torque is reached.

- ADJUSTABLE FROM 0 TO 120 INCH-POUNDS OF TORQUE

- CONVENIENT REVERSING SWITCH

- POWERFUL MILWAUKEE 4.5 AMP MOTOR

**NO. 6583-1 REVERSING...TRIGGER SPEED CONTROL 0-1000 RPM**

**CAPACITY:** TAPPING SCREWS—TO 1/4" IN 3/16" MILD STEEL  
MACHINE SCREWS AND NUTS—TO 1/4"

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6583-1 REV.	120	4.5	0-1000	1/4" Hex	3/4"	10-1/4	5	7-1/2

• Available in 240 Volts AC Only. Add -3 after Catalog Number when ordering. See price sheet.

"REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

**STANDARD EQUIPMENT:** 6F-8R Bit and Finder, 10F-12R Bit and Finder, 6F-8R Bit Guide, 10F-12R Bit Guide, #2 Phillips Insert Bit, Non. Mag. Bit Holder and 1/4" Bit Guide.

CARRYING CASE, HOLSTER, GREASE AVAILABLE—SEE P. 73

### BIT GUIDES FOR 6583-1 ADJUSTABLE TORQUE SLOTTED SCREWS

RED CATALOG NOS.  
ARE STANDARD  
EQUIP.

SCREW SIZE	BIT GUIDE	BIT AND FINDER COMBINATION
6F-8R	<b>48-32-0608</b>	<b>48-30-2600</b>
8F-10R	<b>48-32-0810</b>	<b>48-30-2625</b>
10F-12R	<b>48-32-1012</b>	<b>48-30-2650</b>
12F-14R	<b>48-32-1214</b>	<b>48-30-2675</b>
14F-16R	<b>48-32-1416</b>	<b>48-30-2700</b>



NOTE:  
F = Flat Head  
R = Round Head

PHILLIPS, POSIDRIV®, FREARSON, ROBERTSON

TYPE OF SET-UP	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	<b>48-32-0608</b>	<b>48-32-3025</b>	Select any Insert Bit from Page 77.
Non-Magnetic	<b>48-32-0250</b>	<b>48-32-3050</b>	



HEX NUTS (SOCKETS HAVE BOLT CLEARANCE)

HEX. SIZE	BIT GUIDE	SOCKET DRIVER	MAGNETIC 2" LG. NUT SOCKET
1/4"	<b>48-32-0312</b>	1/4" Sq. x 2" Lg. 48-32-2050	<b>49-66-3002</b>
5/16"	<b>48-32-0810</b>	<b>48-32-2050</b>	<b>49-66-3012</b>
3/8"	<b>48-32-1012</b>		<b>49-66-3022</b>

NOTE: For Hex Head Screws, use accessories as shown for Model 6783-1 on P. 75.

Bulk packages of 1" long Phillips Insert Bits are available in quantities of 25 and 50. See page 77.

# HEAVY-DUTY SCREW-SHOOTER ACCESSORIES

## SCREW-SHOOTER NOSE PIECE ASSEMBLIES



**BIT GUIDE HOUSING**



**SHORT BIT GUIDE**



**LONG BIT GUIDE**

Milwaukee's Exclusive Bit Guides  
Provide Wobble-Free Screwdriving



**BIT HOUSING**



**LOCATOR**

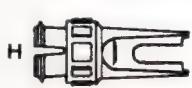


**MAGNETIC BIT HOLDER LOCATOR**

Milwaukee Locators Provide Wobble-Free Screwdriving—  
Plus Depth Adjustments



**DEPTH ADJUSTER**



**LOCATOR TIP**



**CLUTCH HEAD FINDER ASSEMBLY**

## SCREWDRIVING ACCESSORIES



When Ordering, Use Catalog Numbers

**BIT HOLDERS • SOCKETS • EXTENSIONS • BITS and FINDERS**

KEY	DESCRIPTION	SIZE	CATALOG NO.	FOR USE WITH
J	Magnetic Bit Holder		48-32-3025	F1, F2 or C1
K	Non-Mag. Bit Holder		48-32-3050	E1 or B1
L1	1/4" Sq. x 2" Socket Driver	1/4"	48-32-2050	M-N
L2	1/4" Sq. x 4" Socket Driver		48-32-2055	G-H
M1	Hex Sockets Only	1/4"	49-66-3000	L1 & E1 or B1
M2		5/16"	49-66-3010	L1 & E2 or B2
M3	Magnetic	3/8"	49-66-3020	L1 & E3 or B3
M4		7/16"	49-66-3030	L1 & E4
N1	2" Lg. Hex Nut Magnetic Sockets With Bolt Clearance	1/4"	49-66-3002	L1 & B2
N2		5/16"	49-66-3012	L1 & C2
N3		3/8"	49-66-3022	L1 & C3
O	1 Pc. Hex Socket Extension Non-Magnetic	5/16"	49-66-3015	E2 or B2
P1	1 Pc. Hex Socket Extension	1/4"	49-66-3006	E1 or B1
P2		5/16"	49-66-3016	E2 or B2
P3	Magnetic	3/8"	49-66-3026	E3 or B3
Q1	Bit and Finder Combinations	6F-8R	48-30-2600	C1
Q2	(Slotted Screws)	8F-10R	48-30-2625	C2
Q3	3-1/2" long	10F-12R	48-30-2650	C3
Q4		12F-14R	48-30-2675	C4
Q5		14F-16R	48-30-2700	C5
R1	Replacement Bits for Bit and Finder Combinations 3-1/2" long	6F-8R	48-30-0750	Q1
R2		8F-10R	48-30-0770	Q2
R3		10F-12R	48-30-0790	Q3
R4		12F-14R	48-30-0800	Q4
R5		14F-16R	48-30-0805	Q5

## ACCESSORIES FOR PREVIOUS MILWAUKEE 1/4" HEX SHANK DRIVERS

1-15/16" Long Bits For Slotted Head Screws    2" Long Phillips Bits



**BIT**

SCREW SIZE	BIT CATALOG NO.
6F-8R	48-30-0500
8F-10R	48-30-0505
10F-12R	48-30-0510
12F-14R	48-30-0515



**PHILLIPS BIT**

#2 NO. 48-30-1520

#3 NO. 48-30-1500

KEY	DESCRIPTION	SIZE	CATALOG NO.	FOR USE WITH
S	Clutch Head Bit	5/32" x 2-3/4"	48-30-1145	I
T1	Phillips	#1■	48-32-1030	
T2	1" long	#2▲	48-32-1050	
T3		#3	48-32-1070	
U1	Posidriv*	#1	48-32-1120	
U2	1" long	#2	48-32-1125	
U3		#3	48-32-1130	
V1	Frearson (Reed & Prince)	1-1/8" long	48-32-1110	
V2		#2	48-32-1115	
W1	Square Drive (Robertson)	#1	48-32-1205	
W2		#2	48-32-1210	
W3	1" long	#3	48-32-1215	
X1	Slotted Screw	6F-8R	48-32-0050	It is Recommended
X2	Insert Bits	8F-10R	48-32-0060	Slotted Screws
X3	1-1/2" long	10F-12R	48-32-0070	Be Driven With
X4		12F-14R	48-32-0080	Q1 thru Q5
X5		14F-16R	48-32-0090	
Y1	Magnetic Insert Socket	1/4"	49-66-0800	J & K
Y2	Non-Mag. Insert Socket	1/4"	49-66-0750	

\* Phillips insert bits available in quantities: package of 25, Catalog Number 48-32-1051; package of 50, Catalog Number 48-32-1052

▲ #2 Phillips insert bits available in quantities: package of 25, Catalog Number 48-32-1051; package of 50, Catalog Number 48-32-1052



"J"

## 1/4" HEX MAGNETIC BIT HOLDER

**NO. 48-32-3025**

## "O" RING ONLY FOR ABOVE

**NO. 48-32-3045**

## NOSE END ONLY FOR ABOVE

**NO. 48-32-3040**



**LOCATOR TIP NO. 49-78-0100**

## REPLACEMENT INSERT FOR DRYWALL LOCATOR

**NO. 49-26-1000**

For use on extremely abrasive material or metal lathe. Easily removable for non-marring applications.



# HEAVY-DUTY METAL CUTTING SHEARS

**5 Models:** **(18)** **(16)** **(14)**

**18 GAUGE  
SWIVEL HEAD  
NO. 6850**



**18 GAUGE  
SWIVEL HEAD SHEAR  
NO. 6850**

- Cuts round holes...square holes...irregular holes
- 360° swivel head
- Cuts up to 15' per min
- Continuous metal curl
- Head assembly designed for easy servicing



**16 GAUGE  
NO. 6800**



**14 GAUGE  
NO. 6810**

**INDEXING BLADES...NO VERTICAL  
ADJUSTMENTS REQUIRED**

Each blade has four cutting edges. When the cutting edge becomes dull, rotate both upper and lower blade one quarter turn to expose new cutting edges.



**MILWAUKEE METAL CUTTING SHEAR FEATURES:**

- High speed accurate cutting mechanism
- Simple blade adjustments — no shims
- Blade design eliminates jamming
- Leaves edges smooth — burr free
- No adjustments for straight cuts — curves
- Cuts close curves either right or left
- Clear, unobstructed visibility

CATALOG NUMBER	CAPACITY STEEL	CAPACITY STAINLESS	VOLTS	AMPS	CUTTING SPEED FT./MIN.	MIN. RADIUS	NET WGT. LBS.	SHP. WGT. LBS.
6850	18 Ga.	20 Ga.	120 AC	3.3	15	7"	4	6
6800★	16 Ga.	17 Ga.	120	2.1	14	1"	5-1/4	8
6810	14 Ga.	16 Ga.	115	3.0	10	3/4"	5	7
6820	12 Ga.	14 Ga.	115	6.4	8	3/4"	8-1/2	11
6830	10 Ga.	12 Ga.	115	6.4	5	1"	10	13

\* Available in 240 Volts. Add 2 after Catalog Number when ordering.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

**STANDARD EQUIPMENT Also Available as Accessories**

CATALOG NO.	DESCRIPTION	FOR CATALOG NOS.
49-11-0050	Feeler Gauges	6800 6810 6820 6830
49-80-0010	Blade Adj. Screw Tool	6810 6820 6830
49-11-0065	Cutting Angle Gauge	6810 6820 6830
49-96-0060	1/8" Hex Socket Wrench	6800
49-96-0065	9/64" Hex Socket Wrench	6800
49-96-0070	5/32" Hex Socket Wrench	6850
49-96-0310	Hex Socket Wrench Set	6810 6820
49-96-0320	Hex Socket Wrench Set	6830
48-44-0070	Shear Blade Set	6800
48-44-0080	Shear Blade Set	•6810 6820
48-44-0090	Shear Blade Set	6830
48-44-0100	Indexing Shear Blade Set	▲6810
48-08-0500	Shear Head Assembly	6850
48-44-0150	Center Blade	6850
48-44-0160	Left Blade	6850
48-44-0170	Right Blade	6850

• For 6810 with Serial Number 444-4175 and below.

▲ For 6810 with Serial Number 444-4176 and above.

**MISCELLANEOUS ACCESSORIES**

CATALOG NO.	DESCRIPTION	FOR CATALOG NOS.
49-08-0500	1/2 lb. Can "A" Grease	6810 6820 6830 6850
49-08-0800	1 lb. Can "A" Grease	6810 6820 6830 6850
49-08-1000	1 lb. Can "A" Grease	6800
49-13-0020	Scrap Guide	6820
49-14-0300	Grease Gun	6810 6820 6830

**SHEAR HEAD  
ASSEMBLY  
NO. 48-08-0500**



Use with MILWAUKEE 1/4" HOLE-SHOOTER  
Catalog No. 0181. See page 7 for  
HOLE-SHOOTER Specifications.

**Milwaukee**

12

10 Gauge

COLD ROLLED STEEL • STAINLESS • NON-FERROUS

**12 GAUGE  
TRIM SHEAR  
NO. 6820**



**10 GAUGE  
TRIM SHEAR  
NO. 6830**



*Tool steel shear blades are easily adjustable. Sheared metal rides smoothly over steel yoke providing high trim cutting efficiency.*

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

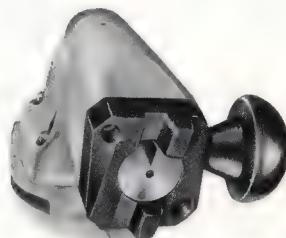
## HEAVY-DUTY "PITTSBURGH LOCK" HAMMER

FOR SHEET METAL AND  
AIR CONDITIONING CONTRACTORS



**CAPACITY**  
**30 TO 22 GAUGE SHEET METAL**  
**CLOSES SEAMS NEATLY**  
**UP TO**  
**20 FEET PER MINUTE**

**FEATURES:**



SPECIALLY DESIGNED HAMMER OF HARDENED TOOL STEEL. CLOSES SEAMS FLUSH AND SECURE. SHOE GUIDE ASSURES PROPER POSITIONING.

- BALL AND ROLLER BEARINGS
- SPLIT HANDLE DESIGN AND REMOVABLE VENT PROVIDE ACCESS TO ALL ELECTRICAL CONNECTIONS FOR EASY INSPECTION AND CLEANING.
- POSITION OF HANDLE AFFORDS POSITIVE CONTROL AND BALANCE
- AUXILIARY KNOB HANDLE FOR TWO HAND OPERATION ON HEAVY GAUGE METALS
- GUIDES EASILY ALONG SEAM ON STRAIGHT RUNS OR CURVES

**SPECIFICATIONS**

CATALOG NUMBER	CAPACITY	FT./MIN.	VOLTS	AMPS	NET WGT.	SHP. WGT.
5400	30 to 22 Ga.	20' Max.	115	2.7	10	14

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES  
THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS

TYPE "A" GREASE  
NO. 49-08-0500 1/2 LB. CAN  
NO. 49-08-0800 1 LB. CAN

# HEAVY-DUTY IMPACT WRENCHES

## NO. 9052 1/2" SQUARE DRIVE

With Ball Detent Square Drive. Balanced for fatigue-free use. Powerful Milwaukee built motor for heavy-duty industrial applications and equipment maintenance. Forward and reverse rotation is achieved by turning rear end-cap. Protective rubber ring on rear end-cap and rubber gear case cap help protect tool.

CATALOG NUMBER	VOLTS	AMPS	IMPACTS PER MIN.	NO LOAD RPM	TORQUE RANGE FT./LBS.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
9052★	120	5.2	2200	2200	95-140	11-1/2	8-1/4	10-1/2
9057 KIT	120	5.2	2200	2200	95-140	11-1/2	17	19

\* Available in 240 Volts. Add -2 after Catalog Number when ordering.



## NO. 9057 1/2" SQUARE DRIVE KIT

Contains No. 9052 Impact Wrench, Steel Carrying Case and the following sizes of 1/2" Hex Drive Sockets: 1/2", 9/16", 5/8", 11/16", 3/4" and 13/16".

## NO. 9051 1/2" SQUARE DRIVE

With Ball Detent Square Drive. A powerful impact wrench for setting, running or removing bolts, nuts, studs and screws... also taps, threads, rethreads, drills and reams. Forward and reverse rotation is achieved by turning rear end-cap. Brushes shift automatically for best commutation and efficiency.

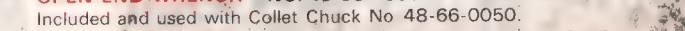
CATALOG NUMBER	VOLTS AC	AMPS	IMPACTS PER MIN.	NO LOAD RPM	TORQUE RANGE FT./LBS.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
9051	115	4	1900	1900	95-130	10-1/4	8-1/4	9-1/4
9056 KIT	115	4	1900	1900	95-130	10-1/4	13	16



## NO. 9056 1/2" SQUARE DRIVE KIT

Complete with No. 9051 Impact Wrench, Steel Carrying Case and the following sizes of 1/2" Hex Drive Sockets: 1/2", 9/16", 5/8", 11/16", 3/4" and 13/16".

### 1/2" SQUARE DRIVE IMPACT WRENCH ACCESSORIES



# HEAVY-DUTY IMPACT WRENCHES

## NO. 9070 3/4" SQUARE DRIVE

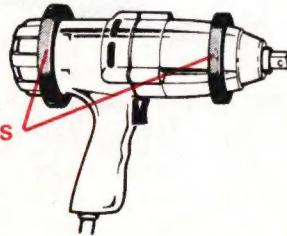
With Pin and Ring Retainer Square Drive. Perfect balance for fatigue-free use and plenty of power make this tool ideal for steel erection, equipment maintenance and other heavy-duty industrial applications. This tool has the same basic high quality impact mechanism as the Cat. No. 9051 plus an increased torque range.

CATALOG NUMBER	VOLTS	AMPS	IMPACTS PER MIN.	NO LOAD RPM	TORQUE RANGE FT./LBS.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
9070	115	6	1725	1700	175-250	11-7/8	10	13



**TOOL HANGER** For use with Model 9070, also for Models 9051 and 9056.

**NO. 49-17-0220**



**PROTECTIVE RUBBER RINGS**

For Model 9070

Order **BUMPER KIT**

**NO. 48-50-1010**

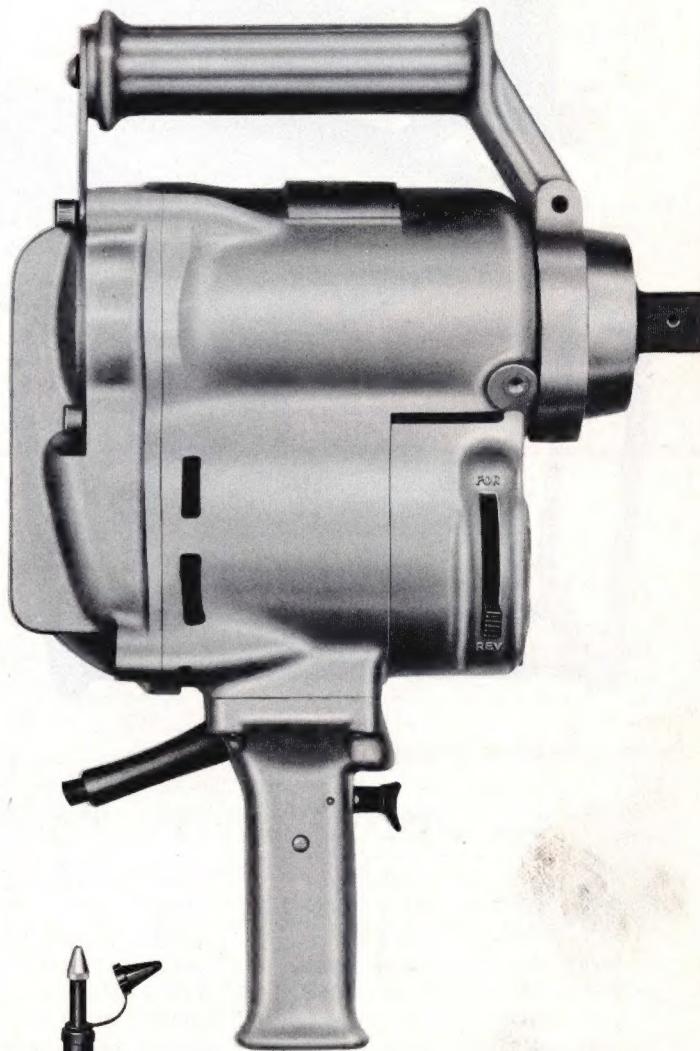
**SPECIAL LUBRICANT** **NO. 49-08-0100** For mechanism—3-1/2 oz. tube.

*Milwaukee*

## NO. 9080 1" SQUARE DRIVE

With Pin and Ring Retainer Square Drive. The most powerful impact wrench of its size for setting, running or removing bolts, nuts and studs. Ideal for steel erection, equipment maintenance and other heavy-duty industrial applications.

CATALOG NUMBER	VOLTS	AMPS	IMPACTS PER MIN.	NO LOAD RPM	TORQUE RANGE FT./LBS.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
9080	115	10	900	800	450-750	14-1/8	32-1/2	38



**GREASE GUN** **NO. 49-14-0300**

For Impact Wrench No. 9080

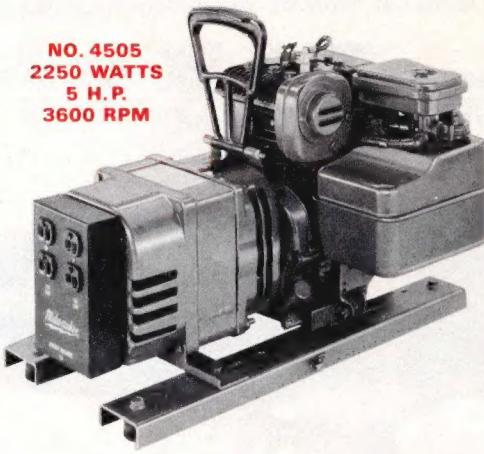
# NEW HEAVY-DUTY ALTERNATORS RELIABLE LOW COST POWER

Advanced design revolving field alternators offer superior electrical performance with less weight, eliminating arcing and sparking. Brushes in alternator ride on smooth slip rings and carry only low

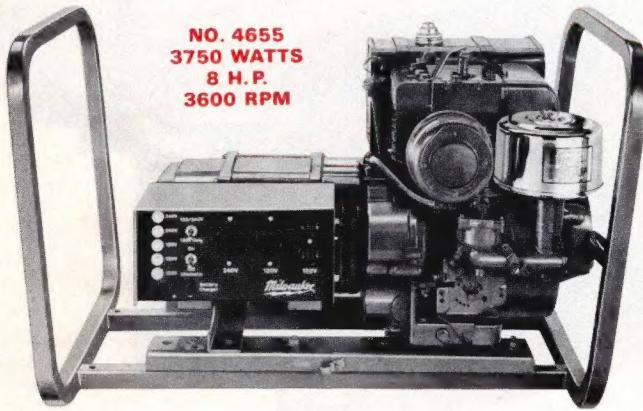
- ALL RECEPTACLES ARE PROTECTED WITH CIRCUIT BREAKERS
- ADVANCE DESIGN Revolving field alternator construction eliminates AC slip rings and DC commutators
- FULL CAPACITY SWITCH — NOS. 4655, 4772 and 4781 • MULTIPLE CHOICE RECEPTACLE PANEL



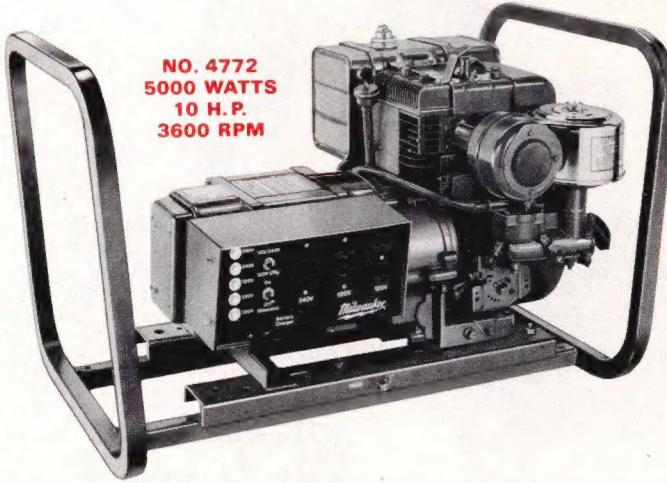
NO. 4453  
1750 WATTS  
4 H.P.  
3600 RPM



NO. 4505  
2250 WATTS  
5 H.P.  
3600 RPM



NO. 4655  
3750 WATTS  
8 H.P.  
3600 RPM



NO. 4772  
5000 WATTS  
10 H.P.  
3600 RPM

## ALTERNATOR SPECIFICATIONS

CATALOG NUMBER	WATTS	H.P.	ENGINE	1 CYL.	FUEL TANK (GAL.)	VOLTS AC	TOTAL OUTPUT 120/240	OUTPUT RECEPTACLES WITH CIRCUIT BREAKERS						OVERALL DIMENSIONS IN INCHES			NET WGT. (LBS.)	SH. WGT. (LBS.)
								120V 2 POLE NEMA #5-15R	120V TWIST LOCK NEMA #L5-30R	240V 2 POLE NEMA #6-15R	240V TWIST LOCK NEMA #L6-20R	240V TWIST LOCK NEMA #L6-30R	L.	W.	H.			
4453	1750	4	B & S	Recoil	3/4	120	14.6	2	—	—	—	—	21.5	15	14	67	83	
4505	2250	5	B & S	Recoil	3/4	120	18.8	4	—	—	—	—	21.5	15	14	70	85	
4618	3000	7	B & S	Recoil	1	120/240	25/12.5	2	—	2	—	—	31	18.5	17	105	120	
4670*	3500	8	Kohler	Recoil	2	120	30	2	1	—	—	—	28.5	17	16.5	132	165	
4655	3750	8	B & S	Recoil	1-1/2	120/240	31.2/15.6	2	1	—	1	—	35	24.5	21	125	145	
4772	5000	10	B & S	Recoil	1-1/2	120/240	41/20.5	2	1	—	1	—	35	24.5	21	152	172	
4781	6500	16	B & S	Recoil	1-1/2	120/240	54.2/27.1	2	1	—	—	1	35	24.5	23.5	187	207	

\*STANDARD EQUIPMENT Includes Built-in Constant Operating Idle-Control.

### TWIST LOCK PLUGS

PLUG Part No. 23-36-0270 (Order separately) 30A 250V twist lock (NEMA #L6-30P) for use in output receptacle NEMA #L6-30R.

PLUG Part No. 23-36-0260 (Order separately) 30A 125V twist lock (NEMA #L5-30P) for use in output receptacle NEMA #L5-30R.

PLUG Part No. 23-36-0240 (Order separately) 20A 250V twist lock (NEMA #L6-20P) for use in output receptacle NEMA #L6-20R.

CAPACITY: Catalog numbers 4453, 4505, 4618 and 4670 — Full rated alternator current can be drawn from a single receptacle or split between two or more receptacles.

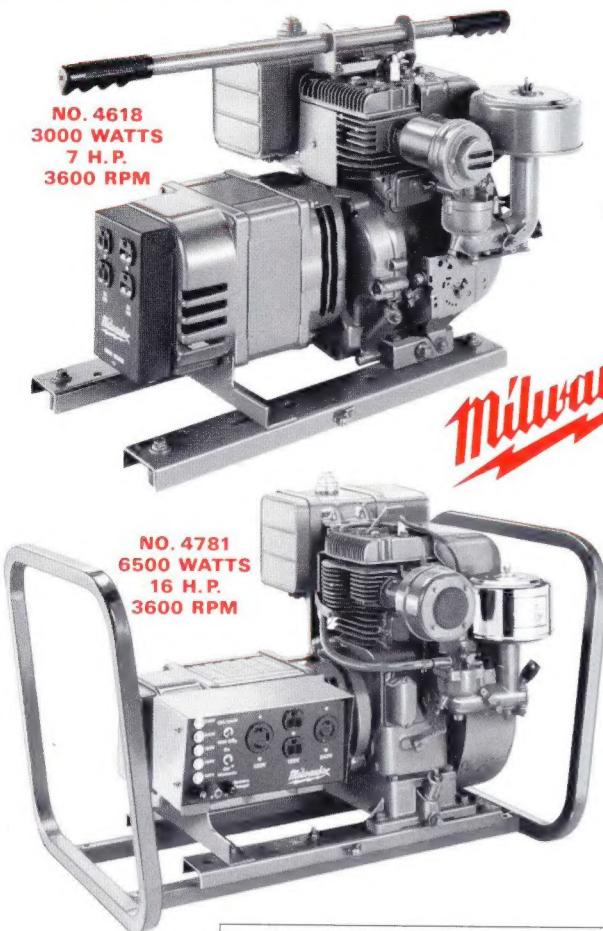
Catalog Numbers 4655, 4772 and 4781 — Full rated alternator current can be drawn from either the 120 volt or 240 volt receptacles by use of full capacity switch except where receptacles are fused at current values below the full capacity of the alternator (requirement of the National Electric Code). Full rated current loads can also be split between the 120 volt and 240 volt receptacles; i.e. 40% — 120 volt load and 60% — 240 volt load.

### HOW TO SELECT YOUR MILWAUKEE ALTERNATOR

MILWAUKEE Alternators are built for continuous-duty operation at rated capacity. To determine which Alternator best fits your needs, total the watt ratings (volts x amps = watts) of all equipment (excluding electric motors) to be operated at the same time. The watt rating of the Alternator should be at least equal to this total. When operating electric motors, add the "starting watts required" shown in the chart at right to insure good starting and to reduce disturbances to other loads. When analyzing the motor loads and required starting watts, determine which loads can be staggered. In most cases, it is impractical to have an alternator large enough to handle total connected load.

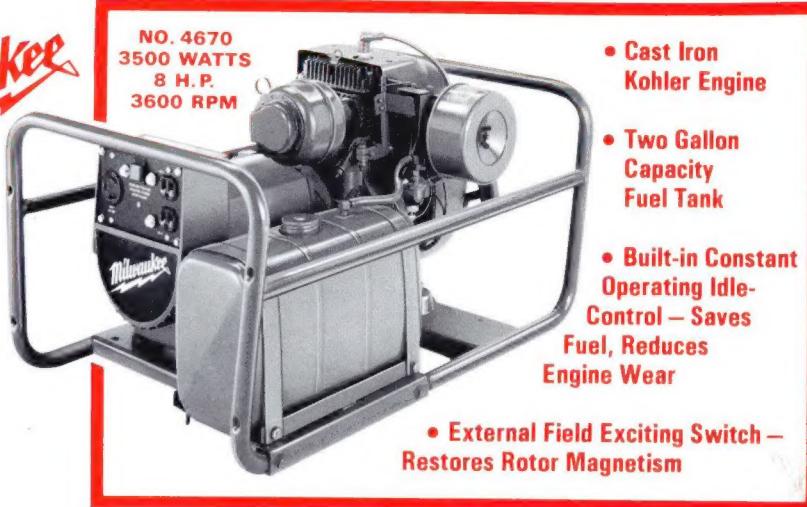
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

less maintenance and less cost. Full power output is obtained from stationary coils through solid connections control current with practically no brush wear.



- NATIONALLY RECOGNIZED GASOLINE ENGINES
- LARGE FUEL TANK CAPACITIES
- MANUAL CHOKE ON ALL MODELS
- APPROVED SPARK ARRESTER MUFFLER

BRIGGS & STRATTON AND KOHLER GASOLINE ENGINES  
HAVE A ONE YEAR LIMITED WARRANTY —  
FOR WARRANTY ENGINE SERVICE CONTACT YOUR NEAREST BRIGGS & STRATTON  
OR KOHLER AUTHORIZED SERVICE CENTER AS LISTED IN THE 'YELLOW PAGES'  
UNDER "ENGINES—GASOLINE" OR "GASOLINE ENGINES."



#### NEW NO. 48-83-0130 DOLLY CONVERSION FOR ALTERNATOR NO. 4670

Consists of push handle, rest and wheel assemblies. 8" dia., hard rubber, heavy-duty tires.

#### NEW ACCESSORIES FOR ALTERNATOR NOS. 4655, 4772 and 4781

#### NEW NO. 48-83-0125 DOLLY CONVERSION FOR ALTERNATOR

Consists of push handle, rest and wheel assemblies. 8" dia., semi-pneumatic, heavy-duty tires. Wheels have roller bearings. Net Wt. 14 lbs., Shpg. Wt. 19 lbs.

#### NEW NO. 48-59-0155 BATTERY CHARGING KIT

Designed for 12-volt battery charging only — Provides 12 volts DC at 5-8 amps continuous charging current. Unit includes two 10 foot cables with battery clips and is fuse protected.

#### NEW NO. 48-72-0015 IDLE-CONTROL KIT

Solid-State Idle-Control slows engine speed automatically from normal 3600 RPM (under load) to approx. 1800 RPM when electrical load is removed. Allowing longer engine life — Lower fuel consumption — Lower average noise level.

A 30 second time delay in RPM change avoids engine surging from momentary on/off loads.

We recommend installation of Idle-Control be done at MILWAUKEE Service Center or Authorized Service Station.

\* Only available in kit form — Not available as standard equipment.

#### ACCESSORIES FOR PREVIOUS ALTERNATOR MODEL NOS. 4443, 4503, 4613, 4713, 4778 and 4779

##### NO. 48-83-0120 ALTERNATOR DOLLY

Consists of push handle, rest and wheel assemblies. 8" dia., semi-pneumatic, heavy-duty tires. Wheels have roller bearings. Net Wt. 14 lbs., Shpg. Wt. 19 lbs.

#### ACCESSORIES FOR ALTERNATOR NOS. 4613, 4713, 4778 and 4779 EQUIPPED WITH CIRCUIT BREAKER RECEPTACLE PANEL

##### NO. 48-59-0150 BATTERY CHARGING KIT

Designed for 12-volt battery charging only — Provides 12 volts DC at 5-8 amps continuous charging current. Unit includes two 10 foot cables with battery clips and is fuse protected.

##### NO. 48-72-0010 IDLE-CONTROL KIT

Solid-State Idle-Control slows engine speed automatically from normal 3600 RPM (under load) to approx. 1800 RPM when electrical load is removed. Allowing longer engine life — Lower fuel consumption — lower average noise level.

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MOTOR H.P. RATING	APPROX. RUNNING WATTS	APPROXIMATE STARTING WATTS REQUIRED			
		UNIVERSAL MOTORS	REPULSION INDUCTION MOTORS	CAPACITOR MOTORS	SPLIT PHASE MOTORS
1/6	275	400	600	850	1200
1/4	400	500	850	1050	1700
1/3	450	600	975	1350	1950
1/2	600	750	1300	1800	2600
3/4	850	1000	1900	2600	
1	1000	1250	2300	3000	
1-1/2	1600	1750	3200	4200	
2	2000	2350	3900	5100	
3	3000	+	5200	6800	

† Motors of higher horsepower are not generally used.

#### EXTENSION CORDS

WIRE SIZE	AWG	VOLTAGE DROP @ MAX. AMPS FOR GIVEN WIRE LENGTHS				
		25'	50'	75'	100'	
4	70	87	1.74	2.60	3.48	
6	55	1.08	2.17	3.25	4.35	
8	40	1.25	2.51	3.87	5.03	
10	30	1.50	3.00	4.50	6.00	
12	25	1.98	3.97	5.95	7.95	
14	18	2.27	4.55	6.82	9.10	
16	13	2.65	5.22	7.84	10.45	

Note: When selecting extension cords, voltage drop should not exceed 5 volts for the rated amps and length of cord required.

#### EXTENSION CABLE CHART

Extension cable sizes chosen to assure a drop of not over 5 volts at rated load of tool.

Ampere rating (on Nameplate)	0-	2.10-	3.5-	5.10-	7.10-	12.1-	
	2.00	3.4	5.00	7.0	12.0	16.0	
<b>Ext. Cable Length</b>							
25 Ft.	18	18	18	18	16	14	
50 Ft.	18	18	18	16	14	12	
75 Ft.	18	18	16	14	12	10	
100 Ft.	18	16	14	12	10	8	
150 Ft.	16	14	12	12	8	8	
200 Ft.	16	14	12	10	8	6	
300 Ft.	14	12	10	8	6	4	
400 Ft.	12	10	8	6	4	4	
500 Ft.	12	10	8	6	4	2	
600 Ft.	10	8	6	4	2	2	
800 Ft.	10	8	6	4	2	1	
1000 Ft.	8	6	4	2	1	0	

#### ACCESSORIES FOR ALTERNATOR NOS. 4613, 4713, 4778 and 4779 EQUIPPED WITH CIRCUIT BREAKER RECEPTACLE PANEL

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# MILWAUKEE ELECTRIC TOOL CORPORATION

FACTORY AND HOME OFFICE  
13135 WEST LISBON ROAD  
BROOKFIELD, WISCONSIN 53005  
PHONE: AREA CODE (414) 781-3600

BLYTHEVILLE PLANT  
RURAL ROUTE 1 / BOX 40  
HIGHWAY 18 EAST  
BLYTHEVILLE, ARKANSAS 72315

JACKSON PLANT  
4355 MILWAUKEE STREET  
JACKSON, MISSISSIPPI 39209

MILWAUKEE DISTRIBUTION CENTER INC.  
8950 HACKS CROSS ROAD  
OLIVE BRANCH, MISSISSIPPI 38654

CANADIAN SUBSIDIARY  
MILWAUKEE ELECTRIC TOOL (CANADA) LTD.  
383 MIDWEST ROAD  
SCARBOROUGH, ONTARIO M1P3A6

